



TENDER NO: 2021/123

**Appointment of Two (2) Environmental Control Officers (ECOs) for the
Lower uMkhomazi Bulk Water Supply Scheme**

VOLUME 1 – Tendering Procedures and Returnable Documents

Issued by:

Umgeni Water
310 Burger Street
Pietermaritzburg

Tender Queries:

Contact Name: Zakhele Cele
Telephone: 033 341 1062.

Name of Tenderer: _____

National Treasury CSD Number: _____

Tip-Offs Anonymous Hotline:	Appeals/Objections
<p>Report unethical conduct at Umgeni Water on:</p> <p>Toll Free Number: 0800 864 463 Email: umgeniwater@whistleblowing.co.za Toll Free Fax: 0800 212 689 Postal: Freepost KZN665, Musgrave, 4062 SMS: 33490 Online: www.whistleblowing.co.za</p> <p><i>Stop theft / fraud / dishonesty / bribery /blackmail / intimidation, and remain anonymous.</i></p>	<p>Persons aggrieved by tender award decisions taken by Umgeni Water, may lodge an appeal within 7 days of the date of the intention to award advertisement.</p> <p>UW shall only consider written appeals/objections clearly stating reasons for appeal directed to:</p> <p>The Supply Chain Management Office, Attention: Supply Chain Management Email: appeals@umgeni.co.za</p>

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Tender Number: 2021/123

Tender Title: (Appointment of two (2) ECOs for the Lower uMkhomazi Bulk Water Supply Scheme to undertake Independent Environmental Compliance Monitoring, Auditing and Reporting)

T1.1 TENDER NOTICE AND INVITATION TO TENDER

Umgeni Water is a state owned business enterprise that operates within the South African legislative parameters. The primary function of Umgeni Water is to supply treated water in bulk to its municipal customers.

Competent and experienced Service Providers are invited to Tender for the following:

Appointment of two (2) ECOs for the Lower uMkhomazi Bulk Water Supply Scheme Project to undertake independent environmental compliance monitoring, auditing and reporting for the duration sixty (72) months or six (6) years.

In addition to the Eligibility Criteria specified in Clause F2.1 of the tender document, tenderers are required to fulfil the following:

- **Bachelors Degree/Diploma in Natural Science, Environmental Science, Social Science, BA Environmental Management, or equivalent Environmental Management Studies.**
- **Minimum three (3) years experience in conducting work of similar nature in the construction industry.**

Tenderers are required to achieve at least 35% Contract Participation Goals (CPG) including a minimum 10% Black Women participation and another 10% for Local participation of the value of goods, services and Works paid to one or more targeted enterprises to comply with Umgeni Water's BBBEE policy initiative.

Evaluation method:

The tender will firstly be evaluated on eligibility. If found to be eligible, it will be further evaluated in two stages i.e.

- Functionality shall be assessed. A minimum functionality score of seventy (70) points is required for the tender to be considered further.
- Price & Preference using the 80/20 Preference Point Scoring System in terms of PPPFA

Tender Submission

The physical address for and the submission of Tenders is:

Umgeni Water, 310 Burger Street, Pietermaritzburg.

How to Access Tender documents

Tender documents are available from the Supply Chain Management Office. Documents will be issued by email, upon request and submission of proof of payment to zakhele.cele@umgeni.co.za. Documents will only be issued in electronic format, during working hours from 09h00 to 15h00 from 8 August 2022 to 19 August 2022

A non-refundable tender fee of R 200 payable by Electronic Fund Transfer is required before collecting the Tender Document. Proof of EFT payment is to be provided on collection. The said transfers may be made to:

BANK NAME: NEDBANK LIMITED
ACCOUNT NAME: UMGENI WATER BOARD – MAIN ACCOUNT
ACCOUNT NUMBER: 1196366594
REFERENCE: TENDER NO. 2021/123 and Company Name.

**NOTE: 1 TENDER DOCUMENTS SHALL NOT BE ISSUED IF INCORRECTLY REFERENCED.
2 TENDERER TO FORWARD NOTIFICATION OF PAYMENT BY E-MAIL TO [Zakhele Cele] AT
[Zakhele.cele@umgeni.co.za]**

NOTE: NO CASH PAYMENT WILL BE ACCEPTED WHEN ISSUING TENDER DOCUMENTS.

Queries relating to the issue of these documents shall be addressed to [Mr Zakhele Cele],
Tel No.: [033 341 1313], e-mail: [zakhele.cele@umgeni.co.za]. A compulsory clarification meeting with
representatives of Umgeni Water will take place on Microsoft Teams on **26 August 2022** starting at
10h00.

The closing time for submission of tenders is **12h00** on **13 September 2022**

T1.2 TENDER DATA (INCLUDING SPECIAL CONDITIONS OF TENDER)

The conditions of tender are the Umgeni Water Standard Conditions of Tender (document number: SCM009, a copy of which may be obtained from Umgeni Water Supply Chain Management office or can be downloaded from the following web site:

https://www.umgeni.co.za/pdf/cm009_standard_conditions_of_tender.pdf

For purposes of this Contract the following Special Condition of Tender shall apply:

F.3.8 Test for responsiveness

Sub-Clause F.3.8.1 Add the following new sub-clause:

“d) Meets the minimum Functionality requirement stated in the Tender Data.”

F3.11.5 Method 4: Financial offer, quality and preferences

Delete this Clause in its entirety and substitute with:

“F.3.11.5 Functionality

Each member of the Employer’s tender evaluation committee is to independently score each tender in respect of functionality offered in accordance with the provisions of F.3.11.9. The committee is then to calculate the final score for each tender as the average of the score from each committee member, rejecting all tender offers that fail to score the minimum number of points stated in the tender data, if any.”

Clause F.3.11.9 Scoring Quality

Substitute the word ‘quality’ wherever it appears with the word ‘functionality’.

The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender.

Each item of data given below is cross-referenced to the clause in the Standard Conditions of Tender to which it mainly applies.

Clause number	Tender Data
	F.1.1 Actions
F.1.1	The Employer is Umgeni Water
	F.1.2 Tender Documents
F.1.2	<p>The Tender Documents issued by the Employer comprise the following documents:</p> <p>VOLUME 1 – Tendering Procedures and Returnable Documents Part T1: Tendering procedures Part T2: Returnable documents</p> <p>VOLUME 2 – Offer, Contract, Price and Scope of Work Part C1: Agreements and Contract data Part C2: Pricing data Part C3: Scope of work Part C4: Site information</p>

	F.1.4 Communication and Employer's agent
F.1.4	<p>The Employer's agent is :</p> <p><u>Tender Queries</u></p> <p>Name: Zakhele Cele</p> <p>Address: 310 Burger Street, Pietermaritzburg</p> <p>Tel: 033 341 1313</p> <p>E-mail: Zakhele.cele@umgeni.co.za</p>
	F.1.5 The Employer's right to accept or reject any tender offer
F.1.5.2	The minimum period will be 4 months
	F.2.1 Eligibility
F.2.1	<p>Umgeni Water will only consider submissions from tenderers who satisfy the following criteria:</p> <ul style="list-style-type: none"> a) The tenderer has completed the Bidders Disclosure Form (T2.2.2) b) Tenderers are required to achieve at least 35% Contract Participation Goals (CPG) including a minimum 10% Black Women participation and another 10% for Local participation of the value of goods, services and Works paid to one or more targeted enterprises to comply with Umgeni Water's BBBEE policy initiative. c) Degree/Diploma in Natural Science, Environmental Science, Social Science, BA Environmental Management, or equivalent Environmental Management Studies.
	F.2.7 Clarification meeting
F.2.7	<p>There shall be a compulsory clarification meeting. The details for which are stated in the Tender Notice and Invitation to Tender.</p> <p>Tenderers must sign the attendance list in the name of the tendering entity. Addenda will be issued to and tenders will be received only from those tendering entities appearing on the attendance list.</p>
	F.2.12 Alternative tender offers
F.2.12	No alternative tender offers shall be considered.

	F.2.13 Submitting a tender offer
F.2.13.3	Parts of each tender offer communicated on paper shall be submitted as an original
F.2.13.5 and F.2.13.7	<p>The Employer's details and address for delivery of tender offers are stated in T1.1 Tender Notice and Invitation to Tender.</p> <p>Identification details The identification details which must be stated in the tender offer outer package are: Tender Number Title of Tender Closing Date Closing Time Tenderer's Name Tenderer's Address</p> <p>Tenders issued in more than one volume shall be returned in the same manner and bound separately as per the tender volumes issued.</p> <p>The tender box is available to the public 24 hours per day and 7 days per week. It is the Tenderers sole responsibility to ensure that tenders are placed in the tender box and only Tenders that have been placed in the tender box before the stipulated closing date and time shall be considered.</p>
F.2.13.6	A two-envelope system is not applicable
	F.2.15 Closing time
F.2.15	The closing time for submission of tender offers is as stated in T.1.1 Tender Notice and Invitation to Tender .
	F.2.16 Tender offer validity
F.2.16.1	The tender offer validity period is ninety (90) days from the closing date .
	F.2.19 Inspections, tests and analysis
F.2.19	Access shall be provided for the following inspections, tests and analysis:
	F.2.20 Submit securities, bonds, policies, etc.
F.2.20	The Tenderer is required to submit with his Tender a letter of intent from an approved Financial Services Provider registered with the Financial Services Board to provide the Insurances to the format included in Part T2.2 of this procurement document.
	F.2.23 Certificates
F.2.23	<p>The Tenderer is required to submit with his tender:</p> <ol style="list-style-type: none"> 1) A Tax Compliance Status letter (with pin) issued by the South African Revenue Services. 2) Central Supplier Database (CSD) Report 3) Proof of good standing in terms of the COID Act 4) Certificate of Independent Bid Determination 5) Valid affidavit or certified copy of B-BBEE Status Level Certificate or sufficient evidence to confirm status as a qualifying EME 6) Company Registration Certificate 7) Registration Certificates of Professional bodies

	F.3.4 Opening of tender submissions												
F.3.4	Tenders shall be opened immediately after the closing time for tenders as stipulated in T1.1 Tender Notice and Invitation to Tender.												
	F3.8 Test for responsiveness												
F.3.8	The minimum qualifying Functionality Evaluation Score shall be (70) (seventy) points												
	F.3.11 Evaluation of tender offers												
F.3.11.3 F.3.11.7 F.3.11.8	The procedure for the evaluation of responsive tenders is Method 2 (Financial Offer and Preference) in accordance with F.3.11.3 using formula 2 in F.3.11.7												
F.3.11.9	<p>The table below lists the returnable schedules that set out the scoring criteria and sub-criteria, and the percentage weighting for the score achieved against the relevant schedule:</p> <table><thead><tr><th></th><th>Returnable Schedule</th><th>Weighting %</th></tr></thead><tbody><tr><td>T2.2.08</td><td>Tenderer's Experience</td><td>20</td></tr><tr><td>T2.2.10</td><td>Experience of Key Personnel</td><td>70</td></tr><tr><td>T2.2.12</td><td>Method Statement</td><td>10</td></tr></tbody></table> <p><u>Failure to score a single point in any of the criteria listed above will deem the bid to be non-responsive and the bidder will be disqualified.</u></p> <p>The score allocated by each Bid Evaluation Committee member for a tender shall be the sum of the scores relevant to each of the above listed returnable schedules multiplied by the percentage weighting for each as shown above.</p>		Returnable Schedule	Weighting %	T2.2.08	Tenderer's Experience	20	T2.2.10	Experience of Key Personnel	70	T2.2.12	Method Statement	10
	Returnable Schedule	Weighting %											
T2.2.08	Tenderer's Experience	20											
T2.2.10	Experience of Key Personnel	70											
T2.2.12	Method Statement	10											
	F.3.17 Provide copies of the contracts												
F.3.17	The number of paper copies of the signed contract to be provided by the Employer is one(1).												
	F3.18 Provide written reasons for actions taken												
F3.18	<p>Persons aggrieved by decisions or actions taken by Umgeni Water, may lodge an appeal within 7 days of the date of the intention to award advertisement appearing in the relevant print media.</p> <p>The appeal (clearly stating reasons for appeal) and queries with regard to the decision of award are to be directed, in writing only to the Supply Chain Management Office, Attention: Supply Chain Management Email: appeals@umgeni.co.za</p>												

T2.1 LIST OF ALL RETURNABLE DOCUMENTS AND SCHEDULES

The Tenderer shall complete and submit the following returnable schedules and documents:

	Tenderer's Check List	Page No.
T2.2.1 Authority for Signatory		T2.11
T2.2.2 Bidders Disclosure		T2.18
T2.2.3 Tax Compliance Status Letter Requirements		T2.21
T2.2.4 Proof of Attendance at the Compulsory Clarification Meeting / Site Meeting		T2.23
T2.2.5 Contract Participation Goals (CPG)		T2.24
T2.2.6 Tenderer's Experience		T2.28
T2.2.7 Key Personnel Assigned to the Work		T2.31
T2.2.8 Experience of Key Personnel		T2.32
T2.2.9 Proposed Organization and Staffing		T2.35
T2.2.10 Method Statement		T2.37
T2.2.11 Preliminary Programme		T2.39
T2.2.12 Registration Certificate / Agreement / ID Document		T2.41
T2.2.13 Amendments, Qualifications and Alternatives		T2.42
T2.2.14 Record of Addenda to Tender Documents		T2.44
T2.2.15 VAT Registration Certificate		T2.45
T2.2.16 Schedule of Proposed Sub-Consultants		T2.46
T2.2.17 Proof of Purchase of Tender Document		T2.47
T2.2.18 Letter of Good Standing in terms of COID Act		T2.48
T2.2.19 Preference Points claim form in terms of the PPPFA Regulations 2017, substantiated by the B-BBEE Verified Status Level Verification Certificate		[T2.49]
T2.2.20 Tenderer's Financial Standing		T2.56
T2.2.21 Tenderer's Health and Safety Declaration		T2.57
T2.2.22 Pro forma OHS Notification	N/A	T2.58
T2.2.23 Letter of Intent to provide Professional Indemnity		T2.60
T2.2.24 Registration Certificates		T2.61
T2.2.25 Central Supplier Database (CSD) Report		[T2.62]

T2.2.1 AUTHORITY FOR SIGNATORY

Fill in the relevant portion applicable to the type of organization

A. COMPANIES

If a Tenderer is a company, a certified copy of the resolution by the board of directors, personally signed by the chairperson of the board, authorizing the person who signs this Tender to do so, as well as to sign any contract resulting from this Tender and any other documents and correspondence in connection with this Tender and/or contract on behalf of the company must be submitted with this Tender, that is before the closing time and date of the Tender

AUTHORITY BY BOARD OF DIRECTORS

By resolution passed by the Board of Directors on 20.....

Mr/Mrs (whose signature appears below) has been duly authorized to sign all documents in connection with this Tender on behalf of

(Name of Company)

IN HIS/HER CAPACITY AS:

SIGNED ON BEHALF OF COMPANY:
(PRINT NAME)

SIGNATURE OF SIGNATORY: DATE:

WITNESSES:

B. SOLE PROPRIETOR (ONE - PERSON BUSINESS)

I, the undersigned

hereby confirm that I am the sole owner of the business trading as

.....

.....
SIGNATURE

.....
DATE

C. PARTNERSHIP

The following particulars in respect of every partner must be furnished and signed by every partner:

Full name of Partner	Residential Address	Signature
.....
.....
.....
.....

We, the partners in the business trading as

hereby authorize
to sign this Tender as well as any contract resulting from the Tender and any other documents and
correspondence in connection with this Tender and /or contract on behalf of

.....
Signature	Signature	Signature
.....
Date	Date	Date

D. CLOSE CORPORATION

In the case of a close corporation submitting a Tender, a certified copy of the Founding Statement of such corporation shall be included with the Tender, together with the resolution by its members authorizing a member or other official of the corporation to sign the documents on their behalf.

By resolution of members at a meeting on 20.....

at

Mr/Ms, whose signature appears below, has been authorized to sign all documents in connection with this Tender on behalf of (Name of Close Corporation)

.....

.....

SIGNED ON BEHALF OF CLOSE CORPORATION:

(PRINT NAME)

IN HIS/HER CAPACITY AS DATE:

SIGNATURE OF SIGNATORY:

WITNESSES: 1.

2.

E. CO-OPERATIVE

A certified copy of the Constitution of the co-operative must be included with the Tender, together with the resolution by its members authoring a member or other official of the co-operative to sign the Tender documents on their behalf.

By resolution of members at a meeting on 20.....

at

Mr/Ms, whose signature appears below, has been authorized to sign all documents in connection with this Tender on behalf of (Name of Co-Operative)

.....

SIGNATURE OF AUTHORIZED REPRESENTATIVE/SIGNATORY:

(PRINT NAME)

IN HIS/HER CAPACITY AS

DATE:

SIGNED ON BEHALF OF CO-OPERATIVE:

NAME IN BLOCK LETTERS:

WITNESSES: 1.

2.

F. JOINT VENTURES

If a tenderer is a joint venture, a certified copy of the resolution/agreement passed/reached signed by the duly authorised representatives of the enterprises, authorising the representatives who sign this tender to do so, as well as to sign any contract resulting from this tender and any other documents and correspondence in connection with the tender and/or contract on behalf of the joint venture must be submitted with this tender, before the closing time and date of the tender.

Authority to sign on behalf of the Joint Venture:

By resolution/agreement passed/reached by the joint venture partners on 20

Mr/Mrs, Mr/Mrs

Mr/Mrsand Mr/Mrs
(whose signatures appear below) have been duly authorised to sign all documents in connection with
this tender on behalf of:

(Name of Joint Venture)

In his/her capacity as:

Signed on behalf of (COMPANY NAME):
(PRINT NAME)

Signature Date:

In his/her capacity as:

Signed on behalf of (COMPANY NAME):
(PRINT NAME)

Signature Date:

In his/her capacity as:

Signed on behalf of (COMPANY NAME):
(PRINT NAME)

Signature Date:

In his/her capacity as:

Signed on behalf of (COMPANY NAME):
(PRINT NAME)

Signature Date:

G. CONSORTIUM

If a tenderer is a consortium, a certified copy of the resolution/agreement passed/reached signed by the duly authorised representatives of the enterprises, authorising the representatives who sign this tender to do so, as well as to sign any contract resulting from this tender and any other documents and correspondence in connection with the tender and/or contract on behalf of the consortium must be submitted with this tender, before the closing time and date of the tender.

Authority to sign on behalf of the consortium:

By resolution/agreement passed/reached by the consortium partners on20

Mr/Mrs ,
(whose signature appear below) have been duly authorised to sign all documents in connection with
this tender on behalf of:

(Name of Consortium)

In his/her capacity as:

Signature Date:

T2.2.2 BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

2. BIDDER'S DECLARATION

- 2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest¹ in the enterprise, employed by the state? **YES/NO**

- 2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State institution

- 2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

- 2.2.1 If so, furnish particulars:

.....
.....

- 2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract?
YES/NO

1 the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.

- 2.3.1 If so, furnish particulars:

.....
.....

3 **DECLARATION**

I, the undersigned,
(name)
.....
in

submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium² will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

- 3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

2 Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

T2.2.4 TAX COMPLIANCE STATUS LETTER REQUIREMENTS

It is a condition of a Tender that the taxes of the successful Tenderer **must** be in order, or that satisfactory arrangements have been made with South African Revenue Service (SARS) to meet the Tenderer's tax obligations.

- Bidders must ensure compliance with their tax obligations.
- Bidders are required to submit their unique personal identification number (pin) issued by SARS to enable the organ of state to verify the taxpayer's profile and tax status.
- Application for Tax Compliance Status (TCS) pin may be made via e-filing through the SARS website www.sars.gov.za.
- Bidders may also submit a printed TCS certificate together with the bid.
- In bids where consortia / joint ventures / sub-contractors are involved, each party must submit a separate TCS certificate / pin / CSD number.
- Where no TCS is available but the bidder is registered on the Central Supplier Database (CSD), a CSD number must be provided.
- No bids will be considered from persons in the service of the state, companies with directors who are persons in the service of the state, or close corporations with members in the service of the state.

T2.2.4	TAX	COMPLIANCE	STATUS	LETTER	REQUIREMENTS
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(Continued.....)

[Tax Compliance Status (TCS) Letter *obtained from SARS to be inserted here*]

T2.2.5 PROOF OF ATTENDANCE AT THE COMPULSORY CLARIFICATION MEETING / SITE VISIT

CERTIFICATE OF ATTENDANCE

TENDER No. | |

This is to certify that

(Tenderer)

of (address)

.....
.....

was represented by the person(s) named below at the compulsory meeting held for all Tenderers at

(location).....

..... on (date)

starting at (time)

I / We acknowledge that the purpose of the meeting was to acquaint myself / ourselves with the site of the works and / or matters incidental to doing the work specified in the Tender documents in order for me / us to take account of everything necessary when compiling our rates and prices included in the Tender.

Particulars of person(s) attending the meeting:

Name: Signature:

Capacity:

Name: Signature:

Capacity:

Attendance of the above person(s) at the meeting is confirmed by the Employer's representative, namely:

Name: Signature:

Capacity: Date and Time:

T2.2.6 CERTIFICATE OF INDEPENDENT TENDER DETERMINATION

- 1 This section must form part of all tenders¹ invited.
- 2 Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive tendering (or tender rigging).² Collusive tendering is a *pe se* prohibition meaning that it cannot be justified under any grounds.
- 3 Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorizes accounting officers and accounting authorities to:
 - a. disregard the tender of any tenderer if that tenderer, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
 - b. cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the tendering process or the execution of that contract.
- 4 This SBD serves as a certificate of declaration that would be used by institutions to ensure that, when tenders are considered, reasonable steps are taken to prevent any form of tender-rigging.
- 5 In order to give effect to the above, the attached Certificate of Tender Determination (SBD 9) must be completed and submitted with the tender:

¹ Includes price quotations, advertised competitive tenders, limited tenders and proposals.

² Tender rigging (or collusive tendering) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for Employers who wish to acquire goods and / or services through a tendering process. Tender rigging is, therefore, an agreement between competitors not to compete.

T2.2.7 CONTRACT PARTICIPATION GOALS

Objective

The objective of Umgeni Water's empowerment initiative is to bring about meaningful transformation in all procurement projects and in particular in the built environment / construction and consulting industry through achieving one or more of the following objectives:

- Meaningful Economic Participation;
- Local Economic Development;
- Transfer of Technical, Management and Entrepreneurial Skills; and
- Creation of sustainable Black Enterprises

Contract Participation Goals

Contract Participation Goal (CPG) – the **final** value of services paid to the CPG Partner/s based on the **final** contract value.

At the time of awarding the contract the 35% minimum CPG amount will be based on the contract award value exclusive of the following:

- VAT, CPA and Contingencies.

During contract implementation, adjustments relating to Provisional Sums and Contingencies linked to the CPG allocation will be agreed upon between the parties to the contract, as and when the need arises.

CPG Partner/s – Service provider/s selected from Umgeni Water's Supply Chain Management (SCM) Enterprise Development Database. However, should the database not contain suitable CPG Partner/s, the tenderer may propose suitable CPG Partner/s for Umgeni Water's consideration.

Tenderers (the main Service Provider irrespective of BBBEE classification) who are on Umgeni Water's SCM Enterprise Development Database are not exempt from this requirement and are still required to have a CPG Partner.

Tenderers are required to achieve at least 35% Contract Participation Goals (CPG) including a minimum 10% Black Women participation and another 10% for Local participation of the value of goods, services and Works paid to one or more enterprises (CPG Partner/s)

- 35% includes any special materials
- 35% excludes VAT, CPA and Contingencies.
- The tenderer will be required to achieve the actual Rand value committed for CPG, adjusted according to the following:
 - Variation Orders – Each VO will be evaluated by the Employer's Agent and the Project Manager to determine whether it should be counted, in its entirety or partially, as part of CPG or not.
 - Re-measurable Items (including CPA, and provisional sums) – Each re-measurable item change will be evaluated by the Employer's Agent and the Project Manager to determine whether it should be counted as part of CPG or not.

Within 2 weeks of the award of contract, the tenderer will be required to submit a cash flow projection for the main contractor and the CPG Partner/s

Applicability

The CPG target is applicable to all contracts to be adjudicated through the Umgeni Water procurement process and shall be achieved through the following mechanisms:-

- CPG Partner/s selection is concluded **after** adjudication of tenders and **before** contract award is made.

- The CPG Partner/s shall be selected according to the following criteria:
 - CPG Partner/s are to be obtained from Umgeni Water's database of Service Providers specifically earmarked for CPG purposes.
 - In the event of services where Umgeni Water does not have an applicable service provider on its database, the tenderer may propose a suitable CPG Partner/s for consideration by Umgeni Water.
- Main service provider may propose a suitable CPG Partner/s, but Umgeni Water reserves the right to provide or arrange a CPG Partner/s to work with the successful company.
- Sub-contracting of the CPG Partner/s at the same rate / price that the tenderer would have offered to Umgeni Water whilst making profit margins consistent to the profit margins that the main Service Provider would have made under normal trading processes.
- Value of the work to be sub contracted shall be at least **35% (minimum of 10% shall be due to Black Women participation and another 10% for Local participation)** of the total contract value excluding VAT, CPA and Contingencies.
- CPA is payable to the CPG Partner/s as per the indices stipulated in the contract document.
- The work allocated to the CPG Partner shall be performed by the CPG Partner directly and may not be allocated or sub-contracted out to other contractors/consultants/service providers.
- The main Service Provider **shall not** substitute any CPG Partner/s without the written approval of Umgeni Water.
- The working capital arrangements between the main Service Provider and the CPG Partner/s must be agreed upon between the two parties prior to commencement of works to ensure that the CPG Partner does not have cash flow challenges during contract implementation.

Invoicing and Payment

The monthly measurement and payment will be according to the following guideline:

- Submission of payment certificate by the Service Provider– by 25th of each month, or the nearest previous working day. The submission from the Service Provider shall include the signature of the CPG Partner indicating agreement with the measurements and rates applicable to the work undertaken by the CPG Partner.
- Payment to the Service Provider – on the last day of the following month;
- The CPG Partner must be paid within reasonable time but no later than 3 working days after the Main Service Provider has been paid by Umgeni Water; and
- The submission from the Service Provider must include a schedule that clearly shows the following:
 - Total Contract Sum
 - Total amount payable to CPG Partner/s excluding current month
 - Amount payable to CPG Partner for current month
 - % split of Total amount payable to Main Service Provider and CPG Partner/s

Monitoring and Reporting on CPG

- Umgeni Water will monitor CPG implementation on site. This may include direct contact with CPG Partner/s on site for verification purposes.
- The CPG Partner shall be in agreement with the measurement and payment for work completed, for the purposes of submitting payment certificates, as determined by the Service Provider. Should disagreements arise, Umgeni Water reserves the right to intervene to resolve the disagreement.
- CPG Partner/s shall attend all contractual meetings relevant to their scope of work including contract award negotiations, monthly contract site meetings and technical meetings where applicable.

Eligibility Criteria

For tenders where the CPG target is applicable, those that do not offer a **minimum** CPG participation of **35%** (including minimum 10% Black Women participation and another 10% for Local participation) according to the requirements mentioned above, will be deemed **ineligible**.

DECLARATION REGARDING CONTRACT PARTICIPATION GOALS

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

UMGENI WATER

do hereby make the following declaration and certify the statements contained herein to be true and complete in every respect:

I certify, on behalf of: _____ that:
(Name of Bidder)

1. I have read and I understand the contents of this Declaration and the fully completed bid document accompanying this declaration;
2. I understand and declare that the accompanying bid will, and must, be disqualified if this Declaration is found not to be true and complete in every respect;
3. I understand and declare that in the event that this bid is successful, I will be required to, and shall, fully implement the commitments that are submitted with this bid, in particular regarding the Bidder's contract participation goals and commitments towards the allocation of certain portion of the contract to small and emerging entities. Failure to implement such commitments as outlined in the bid document (in particular, as detailed in the bill of quantities) and or failure to provide the relevant information within the prescribed period as determined in the Letter of Intention to Award the Bid, shall automatically disqualify this bid from further consideration and the Employer has the right to, and must, then award the bid to the next highest ranked bidder; and as a result I or the bidder or any of its directors shall have no recourse against Umgeni Water.
4. I am authorized by the bidder to sign this Declaration, and to submit the accompanying bid, on behalf of the bidder;
5. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign the bid, on behalf of the bidder;

6. I am aware that, and do consent to, the disqualification of my or the bidder's future bids with Umgeni Water in the event that the commitments made herein are not fulfilled and that such non-fulfillment amounts to abuse of Umgeni Water's supply chain policies and procedures and/or empowerment objectives which must be penalized, over and above the contractual sanctions as agreed to in line with the contract signed with Umgeni Water, with a sanction of restricting me and or my company (the bidder) and or any of its directors from conducting business with Umgeni Water for a period not exceeding ten (10) years.
7. I consent that should my company (the Bidder) deviate from the commitments and the spirit of the CPG objectives as agreed to, shall amount to a repudiation of the contractual arrangement between the two parties (Umgeni Water and the Bidder); and Umgeni Water shall have the right to terminate the contract with immediate effect and without giving my company (the Bidder) prior notice to remedy the breach.

Full Names & Surname
(Duly authorized)

Signature

Date

Position

Name of Bidder

T2.2.8 TENDERER'S EXPERIENCE | 20 |

The experience of the Tenderer or joint venture partners in the case of an unincorporated joint venture or consortium will be evaluated on the basis of experience in similar projects or similar areas and conditions in relation to the scope of work. Before compiling the company's experience, the Tenderer shall familiarise himself with the evaluation criteria listed on Page T2.XX and submit only projects relevant to the functionality score for assessment.

Tenderers should briefly summarize their company's experience (and that of any specialist sub-consultants, joint venture partners or consortium members) relevant to the scope of work.

The summary table below may be used. If a separate table is prepared, it shall be put in tabular form with the same headings.

Project name and location	Duration and Year Completed	Rand Value of work incl. VAT (Fee not project value)	Size/Capacity (of Infrastructure to be Designed)	Client/Employer	Client reference Contact Details

Scoring of the Tenderer's Company experience will be as follows: []

DESCRIPTION	MAX POSSIBLE SCORE
<p>Company experience in projects requiring Independent Environmental Control Officer Services, for water related infrastructure, bulk water/wastewater services</p> <p>(Submit proof of previous experience, e.g. completion certificate)</p> <ul style="list-style-type: none">• 1 project – 15 points,• 2 projects – 30 points,• 3 projects – 45 points,• 4 projects – 60 points,• 5 projects – 75 points,• 10 additional points for every project more than 5 projects to a maximum of 100 points	100

T2.2.8 TENDERER'S EXPERIENCE (Continued)

INSERT HERE

Company experience in projects requiring **Independent Environmental Control Officers Services**, for water related bulk water/wastewater services

No.	Client Name/ Organisation	Contact Person	Tel. No.	Project Name	Name of ECO	Value of appointment (Rands)	Start and End Dates
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							

T2.2.9 KEY PERSONNEL ASSIGNED TO THE WORK | 70 |

Insert in the table below the key personnel and their proposed function

Key personnel are those who will play an essential role in the contract. These include the persons responsible for managing the contract, co-ordinating the engineering, discipline lead engineers, subject matter experts and management of the construction monitoring phase where relevant

Tenderers are advised to check the functionality requirements listed for key personnel in Section T2.2.10 to ensure the nominated key personnel are appropriately qualified and experienced. The key personnel that will be evaluated for functionality in terms of Section T2.2.10 are to be listed in the table below. Tenderers may list additional Key Personnel in the additional rows provided but these will not be scored for functionality.

KEY PERSONNEL SCHEDULE

No.	Designation	Key Person Name
1.	Environmental Control Officer : Phase 1	
2.	Environmnetal Control Officer: Phase 2	

T2.2.10 EXPERIENCE OF KEY PERSONNEL []

Provide relevant information (CV's) as prescribed below for each of the Key Personnel proposed in Section T2.2.9.

For the purpose of functionality evaluation, the Employer regards the experience of the following Key Personnel as critical to project success and these personnel will be scored for functionality. The scoring criteria are outlined in the table below.

A. Environmental Control Officer : Phase 1 – Raw Water

B. Environmental Control Officer : Phase 2 – Potable Water

The experience of each key person, relevant to the scope of work, will be evaluated from the points below:

- 1) General experience (total duration of activity), level of education and training and positions held by the key person.
- 2) The education, training and experience of the person, in the specific sector, field, subject, etc which is directly linked to the scope of work.

A CV (**not more than 3 pages**) in the required format below, shall be provided for each key person should be attached to this schedule. Note that Copies of Qualification and Professional Registration Certificates should be attached separately to Section T2.2.26

Each CV should be structured under the following headings:

1. Personal particulars
 - name
 - date and place of birth
 - place (s) of tertiary education and dates associated therewith
2. Qualifications
3. Name of current employer and position in Company
4. Overview last 10 years of experience (year, organization, position and projects)
5. Outline of recent assignments / experience that have a bearing on the scope of work for this tender **and the scoring criteria below**. The outline shall include start and finish dates of the assignments

The scoring of the experience of Key Personnel shall be as follows: []

<p>Key Personnel experience in undertaking <u>Environmental Control Officer services</u> for construction of water service infrastructure (e.g. dams, weirs, pipelines, reservoirs, water treatment work, waste water treatment works, etc.):</p> <p><u>Environmental Control Officer 1:</u> Submit proof of previous experience, e.g. CV and project list with references)</p> <ul style="list-style-type: none"> • 1 project – 15 points, • 2 projects – 30 points, • 3 projects – 45 points, • 4 projects – 60 points, • 5 projects – 75 points, <p>10 additional points for every project more than 5 projects to a maximum of 100 points</p> <p><u>Environmental Control Officer 2:</u> Submit proof of previous experience, e.g. CV and project list with references)</p> <ul style="list-style-type: none"> • 1 project – 15 points, • 2 projects – 30 points, • 3 projects – 45 points, • 4 projects – 60 points, • 5 projects – 75 points, <p>10 additional points for every project more than 5 projects to a maximum of 100 points</p>	<p style="text-align: center;">100</p>
--	--

T2.2.10 EXPERIENCE OF KEY PERSONNEL (Continued)

INSERT KEY PERSONNEL CVs HERE

Key Personnel experience in projects requiring **Independent Environmental Control Officer Services**, for construction of water service infrastructure (**submit proof of previous experience**).

Environmental control Officer : Phase 1 – Raw Water

No.	Client Name/ Organisation	Contact Person	Tel. No.	Project Name	Name of ECO	Value of appointment (Rands)	Start and End Dates
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							

Environmental Control Officer : Phase 2 – Potable Water

No.	Client Name/ Organisation	Contact Person	Tel. No.	Project Name	Name of ECO	Value of appointment (Rands)	Start and End Dates
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							

T2.2.11 PROPOSED ORGANIZATION AND STAFFING

The Tenderer should propose the structure and composition of their team i.e. the main disciplines involved, the key staff member / expert responsible for each discipline, and the proposed technical and support staff and site staff. The roles and responsibilities of each key staff member / expert should be set out as job descriptions. In the case of an association / joint venture / consortium, it should, indicate how the duties and responsibilities are to be shared.

The Tenderer must attach his / her organization and staffing proposals to this page.

T2.2.11 PROPOSED ORGANIZATION AND STAFFING (Continued)

INSERT HERE

FOR INFORMATION USE ONLY

T2.2.12 METHOD STATEMENT [10]

The method statement must respond to the Scope of Work and outline the proposed approach / methodology. The method statement should articulate what value the Tenderer will add by in achieving the stated objectives for the project.

The Tenderer must as such explain his / her understanding of the objectives of the assignment and the Employer's stated and implied requirements, highlight the issues of importance, and explain the technical approach they would adopt to address them. The approach paper should explain the methodologies which are to be adopted, demonstrate the compatibility of those methodologies with the proposed approach. The approach should also include a quality plan which outlines processes, procedures and associated resources, applied by whom and when, to meet the requirements and indicate how risks will be managed and what contribution can be made regarding value management.

The Tenderer must attach his / her approach paper to this page. The approach paper should not be longer than 8 pages.

The method statement shall cover but not limited to the following:

- Key Personnel assigned as ECO 1 and ECO 2
- Review of existing studies; environmental authorization and water use licence
- Authority notification (DEFF, EDTEA, DWS)
- Application for permits and licenses for protected trees and sensitive areas
- Environmental awareness
- Water quality monitoring and sampling
- Compliance monitoring and reporting
- Audit reports (which should include inter alia, risk assessments and mitigation measures)

The scoring of the approach paper will be as follows:

Technical approach and methodology	
No submission (score 0)	No Method Statement submitted
Poor (score 40)	The technical approach and / or methodology is poor / is unlikely to satisfy project objectives or requirements. The Tenderer has misunderstood certain aspects of the scope of work and does not deal with the critical aspects of the project.
Intermediate (score 55)	The technical approach and / or methodology is poor / but partially satisfies some project objectives or requirements.
Satisfactory (score 70)	The approach is generic but tailored to address the general project objectives and methodology. The approach does not deal with the critical characteristics of the project. The quality plan, manner in which risk is to be managed is very generic.
Good (score 90)	The approach is specifically tailored to address the specific project objectives and methodology and is sufficiently flexible to accommodate changes that may occur during execution. The quality plan and approach to managing risk is specifically tailored to the critical characteristics of the project.
Very good (score 100)	Besides meeting the “good” rating, the important issues are approached in an innovative and efficient way, indicating that the Tenderer has outstanding knowledge of state-of-the- art approaches. The approach paper details ways to improve the project outcomes and the quality of the outputs.

T2.2.12 METHOD STATEMENT (Continued)

INSERT HERE

FOR INFORMATION USE ONLY

T2.2.13 PRELIMINARY PROGRAMME | NOT APPLICABLE

The Tenderer shall detail below or attach a preliminary programme reflecting the proposed sequence and tempo of execution of the main work components. The programme shall be in accordance with the information supplied in the Contract, requirements of the Project Specifications and with all other aspects of his Tender.

The programme is to include the main / sub-components with associated key milestones and interdependencies. The table below may be used for this purpose but is insufficiently detailed to ensure a good functionality score. Alternatively a separate programme may be attached. It is preferred that a separate programme, prepared using project scheduling software is attached.

The contract should note that the contract is required to be completed, commissioned and handed over to the Employer by the date specified in the contract data.

PROGRAMME													
Component / Sub-component	WEEKS / MONTHS												

Note: The programme must be based on the completion time as specified in the Contract Data. No other completion time that may be indicated on this programme will be regarded as an alternative offer, unless it is listed in supported by a detailed statement to that effect, all as specified in the Tender Data.

Scoring of the preliminary programme will be as follows:

	Suitability of programme
No submission (score 0)	No preliminary programme submitted
Poor (score 40)	Programme is inadequate and/or considered unrealistic and does not achieve required completion date
Satisfactory (score 70)	Programme is considered realistic and adequately shows the main components and compliance with completion date
Good (score 90)	Programme is considered realistic and includes the main components and sub subcomponents and compliance with completion date
Very good (score 100)	Programme is considered realistic and includes the main components and subcomponents and linkages and compliance with completion date

T2.2.13 PRELIMINARY PROGRAMME (Continued)

INSERT HERE

T2.2.14 REGISTRATION CERTIFICATE / AGREEMENT / ID DOCUMENT

Important note to Tenderer: The relevant supporting documents to the organization tendering i.e. Registration Certificates for Companies, Close Corporations and Partnerships, or Agreements and Powers of Attorney for Joint Ventures and Consortiums, or ID documents for Sole Proprietors, all as referred to in the foregoing forms and in T2.1, must be inserted here.

INSERT HERE

FOR INFORMATION USE ONLY

T2.2.15 AMENDMENTS, QUALIFICATIONS AND ALTERNATIVES

(This is not an invitation for amendments, deviations or alternatives but should the Tenderer desire to make any departures from the provisions of this contract he shall set out his proposals clearly hereunder. Umgeni Water will not consider any amendment, alternative offers or discounts unless forms (a), (b) and (c) have been completed to the satisfaction of the Employer).

I / We herewith propose the amendments, alternatives and discounts as set out in the tables below:

(a) AMENDMENTS - NOT APPLICABLE

PAGE, CLAUSE OR ITEM NO.	PROPOSED AMENDMENT

- [Notes: (1) Proposals for amendments to the General and Special Conditions of Contract are not acceptable, and will be ignored;
(2) The Tenderer must give full details of all the financial implications of the amendments and qualifications in a covering letter attached to his Tender.

(b) ALTERNATIVES - NOT APPLICABLE

PROPOSED ALTERNATIVE	DESCRIPTION OF ALTERNATIVE

- [Notes: (1) Individual alternative items that do not justify an alternative Tender, and an alternative offer for time for completion should be listed here.
(2) In the case of a major alternative to any part of the work, a separate Bill of Quantities, programme, etc, and a detailed statement setting out the salient features of the proposed alternatives must accompany the Tender.
(3) Alternative Tenders involving technical modifications to the design of the works and methods of construction shall be treated separately from the main Tender offer.]

(c) UNCONDITIONAL DISCOUNTS

ITEM ON WHICH DISCOUNT IS OFFERED	DESCRIPTION OF DISCOUNT OFFERED

[Note: The Tenderer must give full details of the discounts offered in a covering letter attached to his Tender, failing which, the offer for a discount may have to be disregarded.]

Signature Date.....

T2.2.16 RECORD OF ADDENDA TO TENDER DOCUMENTS

I / We confirm that the following communications amending the Tender documents that I / we received from Umgeni Water or his representative before the closing date for submission of Tenders have been taken into account in this Tender.

A signed copy of each addendum shall be inserted after this page.

ADDENDUM No	DATE	TITLE OR DETAILS

.....
Signature
(of person authorized to sign on behalf of the Tenderer)

.....
Date

T2.2.17 VAT REGISTRATION CERTIFICATE

[VAT Registration Certificate obtained from SARS to be inserted here]

T2.2.18 SCHEDULE OF PROPOSED SUB-CONSULTANTS

Important note to Tenderer: The relevant supporting documents to the organization tendering i.e. Registration Certificates for Companies, Close Corporations and Partnerships, or Agreements and Powers of Attorney for Joint Ventures and Consortiums, or ID documents for Sole Proprietors, all as referred to in the foregoing forms and in T2.1, must be inserted here

We notify you that it is our intention to employ the following Sub-Consultants for work in this contract. If we are awarded a contract we agree that this notification does not change the requirement for us to submit the names of proposed Sub-Consultants in accordance with requirements in the contract for such appointments. If there are no such requirements in the contract, then your written acceptance of this list shall be binding between us.

	Name and address of proposed Sub-Consultant	Nature and extent of work	Previous experience with Sub-Consultant
1.			
2.			
3.			
4.			
5.			

Signature Date

Name Position

Tenderer

T2.2.19 PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to all tenders:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 The value of this tender is estimated not to exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 system shall be applicable.

1.3 Preference points for this tender shall be awarded for:

- (a) Price; and
- (b) B-BBEE Status Level of Contribution.
(Refer Clause 5.7)

1.3.1 The maximum points for this tender are allocated as follows:

	POINTS
1.3.1.1 PRICE	80
1.3.1.2 B-BBEE STATUS LEVEL OF CONTRIBUTION	20
Total points for Price and B-BBEE must not exceed	100
1.4 Failure on the part of a tenderer to fill in and/or to sign this form and submit a B-BBEE Affidavit, Verification Certificate from a B-BBEE Verification Agency accredited by the South African National Accreditation System (SANAS) or a Registered Auditor approved by the Independent Regulatory Board of Auditors (IRBA), issued prior to 01 January 2017 together with the tender, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.	
1.5 The purchaser reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.	

2. DEFINITIONS

2.1 "all applicable taxes" includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;

- 2.2 “B-BBEE” means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- 2.3 “B-BBEE status level of contributor” means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice, or Sector Code on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- 2.4 “tender” means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of services, works or goods, through price quotations, advertised competitive tendering processes or proposals;
- 2.5 “Broad-Based Black Economic Empowerment Act” means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- 2.6 “comparative price” means the price after the factors of a non-firm price and all unconditional discounts that can be utilized have been taken into consideration;
- 2.7 “consortium or joint venture” means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract;
- 2.8 “contract” **Error! Bookmark not defined.** means the agreement that results from the acceptance of a tender by an organ of state;
- 2.9 “EME” – (Exempted Micro Enterprise) means an Entity with annual turnover of R10 million or less means any enterprise with an annual total revenue of R5 million or less.
- 2.10 “Firm price” means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the Supplier and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;
- 2.11 “functionality” means the measurement according to predetermined norms, as set out in the tender documents, of a service or commodity that is designed to be practical and useful, working or operating, taking into account, among other factors, the quality, reliability, viability and durability of a service and the technical capacity and ability of a tenderer;
- 2.12 “non-firm prices” means all prices other than “firm” prices;
- 2.13 “person” includes a juristic person;
- 2.14 “QSE” – (Qualifying Small Enterprise) means an Entity that qualifies for measurement under the QSE scorecard with turnover of R10 million or more but less than R50 Million.
- 2.15 “rand value” means the total estimated value of a contract in South African currency, calculated at the time of tender invitations, and includes all applicable taxes and excise duties;
- 2.16 “sub-contract” means the primary Supplier’s assigning, leasing, making out work to, or employing, another person to support such primary Supplier in the execution of part of a project in terms of the contract;
- 2.17 “total revenue” – means the total income of an entity from its operations as determined under South African Generally Accepted Accounting Practice, as per the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act and promulgated in the Government Gazette on 9 February 2007;

- 2.18 “trust” means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person; and
- 2.19 “trustee” means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person.

3. ADJUDICATION USING A POINT SYSTEM

- 3.1 The tenderer obtaining the highest number of total points will be awarded the contract.
- 3.2 Preference points shall be calculated after prices have been brought to a comparative basis taking into account all factors of non-firm prices and all unconditional discounts;.
- 3.3 Points scored must be rounded off to the nearest 2 decimal places.
- 3.4 In the event that two or more tenders have scored equal total points, the successful tender must be the one scoring the highest number of preference points for B-BBEE.
- 3.5 However, when functionality is part of the evaluation process and two or more tenders have scored equal points including equal preference points for B-BBEE, the successful tender must be the one scoring the highest score for functionality.
- 3.6 Should two or more tenders be equal in all respects, the award shall be decided by the drawing of lots.

4. POINTS AWARDED FOR PRICE

4.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right) \quad \text{or} \quad P_s = 90 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where:

Ps = Points scored for comparative price of tender under consideration
Pt = Comparative price of tender under consideration
Pmin = Comparative price of lowest acceptable tender

5. Points awarded for B-BBEE Status Level of Contribution

- 5.1 In terms of Regulation 6 (2) and 7 (2) of the Preferential Procurement Regulations, preference points must be awarded to a tenderer for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (90/10 system)	Number of points (80/20 system)
1	10	20
2	9	18
3	6	14
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	0

- 5.2 Tenderers who qualify as EMEs in terms of the B-BBEE Act must submit a certificate issued by an Accounting Officer as contemplated in the CCA, prior to 01 May 2015 or a B-BBEE Affidavit with B-BBEE Status Level Certificates.
- 5.3 Tenderers other than EMEs must submit their original and valid B-BBEE status level Affidavit QSE (for entities whose turnover is between R10 million and R50 million, with 51% to 100% Black Ownership) verification certificate or a certified copy thereof, substantiating their B-BBEE rating issued by a Registered Auditor approved by IRBA (prior to 1 January 2017) or a Verification Agency accredited by SANAS.
- 5.4 A trust, consortium or joint venture, will qualify for points for their B-BBEE status level as a legal entity, provided that the entity submits their B-BBEE status level certificate for consortiums or joint ventures and affidavit for trusts.
- 5.5 A trust, consortium or joint venture will qualify for points for their B-BBEE status level as an unincorporated entity, provided that the entity submits their consolidated B-BBEE scorecard as if they were a group structure and that such a consolidated B-BBEE scorecard is prepared for every separate tender.
- 5.6 Tertiary institutions and public entities will be required to submit their B-BBEE status level certificates in terms of the specialised scorecard contained in the Amended B-BBEE Codes of Good Practice, Gazette No. 38766.
- 5.7 A person will not be awarded points for B-BBEE status level if it is indicated in the tender documents that such a tenderer intends sub-contracting more than 25% of the value of the contract to any other enterprise that does not qualify for at least the points that such a tenderer qualifies for, unless the intended sub-Supplier is an EME that has the capability and ability to execute the sub-contract.
- 5.8 A person awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contract.

6. TENDER DECLARATION

- 6.1 Tenderers who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

7. B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPHS 1.3.1.2 AND 5.1

- 7.1 B-BBEE Status Level of Contribution: = (maximum of 10 or 20 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 5.1 and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by SANAS or a Registered Auditor approved by IRBA (prior to 01 January 2017) or an Accounting Officer as contemplated in the CCA).

8. SUB-CONTRACTING

- 8.1 Will any portion of the contract be sub-contracted? **YES / NO** (delete which is not applicable)

- 8.1.1 If yes, indicate:

- i. what percentage of the contract will be subcontracted? %
- ii. the name of the sub-Supplier?
- iii. the B-BBEE status level of the sub-Supplier?
- iv. whether the sub-Supplier is an EME? YES / NO (delete which is not applicable)

9. DECLARATION WITH REGARD TO COMPANY/FIRM

- 9.1 Name of organization:

- 9.2 VAT registration number:

- 9.3 Company Registration number:

- 9.4 TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
 - ☐ One person business/sole propriety
 - ☐ Close corporation
 - ☐ Company
 - ☐ (Pty) Limited
- [TICK APPLICABLE BOX]

- 9.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

.....

.....

.....

9.6 COMPANY CLASSIFICATION

- ☐ Manufacturer
- ☐ Supplier
- ☐ Professional service provider
- ☐ Other service providers, e.g. transporter, etc.
[TICK APPLICABLE BOX]

9.7 Total number of years the company/firm has been in business?

9.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contribution indicated in paragraph 7 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- (i) The information furnished is true and correct
- (ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form
- (iii) In the event of a contract being awarded as a result of points claimed as shown in paragraph 7, the Supplier may be required to furnish documentary proof to the satisfaction of the Employer that the claims are correct;
- (iv) If the B-BBEE status level of contribution has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the Employer may, in addition to any other remedy it may have –
 - (a) disqualify the person from the tendering process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) restrict the tenderer or Supplier, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, from obtaining business from any organ of state for a period not exceeding 10 years, after the audi alteram partem (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution

.....
SIGNATURE(S) OF TENDERER(S):

DATE:

ADDRESS:

.....

.....

WITNESSES:

1.
2.

FOR INFORMATION USE ONLY

T2.2.19 .../continued B-BBEE STATUS LEVEL VERIFICATION CERTIFICATES

Tenderers not submitting a **valid original or a certified copy** B-BBEE Status Level Verification Certificate or are non-compliant contributors to B-BBEE do not qualify for preference points for B-BBEE but will not be disqualified from the tendering process.

T2.2.20 PROOF OF PURCHASE OF TENDER DOCUMENT

INSERT HERE

FOR INFORMATION USE ONLY

**T2.2.21 LETTER OF GOOD STANDING IN TERMS OF COID ACT
(Compensation for Occupational Injuries and Diseases Act)**

INSERT HERE

[Note only insert if applicable if not then omit and delete this note]

T2.2.22 TENDERER'S FINANCIAL STANDING

In terms of the standard conditions of Tender, the Tenderer shall provide information about its commercial position, which includes information necessary for the Employer to evaluate the Tenderer's financial standing.

To that end the Tenderer must provide with its Tender a bank rating, certified by its banker, to the effect that it will be able to successfully complete the contract at the Tendered amount within the specified time for completion.

However, should the Tenderer be unable to provide a bank rating with its Tender, it shall state the reasons as to why it is unable to do so, and in addition provide the following details of its banker and bank account that it intends to use for project:

Name of account holder:

Name of Bank: Branch:

Account number: Type of account:

Telephone number: Facsimile number:

Name of contact person (at bank):

Failure to provide either the required bank details or a certified bank rating with its Tender, will lead to the conclusion that the Tenderer does not have the necessary financial resources at its disposal to complete the contract successfully within the specified time for completion.

The Employer undertakes to treat the information thus obtained as confidential, strictly for the use of evaluation of the Tender submitted by the Tenderer.

SIGNATURE: DATE:
(of person authorized to sign on behalf of the Tenderer)

T2.2.23 TENDERER'S HEALTH AND SAFETY DECLARATION

In terms of the Occupational Health and Safety Act (OHSA) 85 of 1993 and specifically the Government Notice No.R84 of 7 February 2014 by Department of Labour comprising the Construction Regulations 2014 (hereafter referred to as "the Regulations"), the Professional Services Provider appointed in terms of this tender assumes the role of the "Designer" as defined by the Regulations.

The Regulations impose duties on the Designer with regard to the design of both permanent and temporary works contemplated in terms of the Scope of Work outlined in C3. To that effect a person duly authorized by the Tenderer shall complete and sign the declaration hereafter in detail.

Declaration by Tenderer

1. I the undersigned hereby declare and confirm that I am fully conversant with the Occupational Health and Safety Act No 85 of 1993 (as amended by the Occupational Health and Safety Amendment Act No 181 of 1993), and the Construction Regulations, 2014 contained in Government Notice No. R 84.
2. I hereby declare that my company / enterprise has the competence and the necessary resources to carry out the design work contemplated under this contract with due regard to the "Duties of Designer" outlined in Regulation 6 and to achieve compliance with the Regulations and the Employer's Health and Safety Specifications.
3. I hereby undertake, if my Tender is accepted, to comply with the requirements of the Regulations as they apply to the Designer and also as they apply to any other duties that, by agreement, may be delegated to me by the Employer. I hereby agree that my company/enterprise will not have a claim for compensation for delay or extension of time because of my failure to comply with these requirements.
4. I hereby confirm that adequate provision has been made in my Tendered rates and prices in the Pricing Schedule (C2) to cover the cost of all resources, actions, training and all health and safety measures envisaged for the designer in the Regulations.
5. I hereby confirm that I will be liable for any penalties that may be applied by the Employer in terms of the Contract Data (C1.2 Clause 3.12) for failure on my part to comply with the provisions of the Act and the Regulations.
6. I agree that my failure to complete and execute this declaration to the satisfaction of the Employer will mean that I am unable to comply with the requirements of the Regulations, and accept that my Tender will be prejudiced and may be rejected at the discretion of the Employer.

SIGNATURE: DATE:

NAME (Print)
(of person authorized to sign on behalf of the Tenderer)

T2.2.24 PRO FORMA OHS NOTIFICATION

NOT APPLICABLE TO THIS TENDER

PRO FORMA NOTIFICATION FORM IN TERMS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT 1993, CONSTRUCTION REGULATIONS 2014

[In terms of Regulation 4 of the Construction Regulations 2014, the successful Tenderer must complete and forward this form prior to commencement of work to the office of the Department of Labour.]

1. (a) Name and postal address of Supplier:

.....

- (b) Name of Supplier's contact person:

Telephone number:

2. Supplier's compensation registration number:

3. (a) Name and postal address of Purchaser:

- (b) Name of Purchaser's contact person or
agent:

Telephone
number

4. (a) Name and postal address of designer(s) for the project:

.....

- (b) Name of designer's contact person:

Telephone
number

5. Name of Supplier's construction supervisor on site appointed in terms of Regulation 6(1):

Telephone number:

6. Name/s of Supplier's sub-ordinate supervisors on site appointed in terms of regulation 6(2).

.....

7. Exact physical address of the construction site or site
office:

8. Nature of the construction work:

.....

9. Expected commencement date:

10. Expected completion date:

11. Estimated maximum number of persons on the construction site:

12. Planned number of Sub-contractors on the construction site accountable to Supplier:

13. Name(s) of Sub-contractors already chosen:

.....

.....

SIGNED BY:

SUPPLIER: DATE:

PURCHASER: DATE:

T2.2.25 LETTER OF INTENT TO PROVIDE PUBLIC LIABILITY INSURANCE

INSERT HERE

T2.2.26 LETTER OF INTENT TO PROVIDE PROFESSIONAL INDEMNITY

INSERT HERE

T2.2.27 REGISTRATION CERTIFICATES

Insert required registration Certificates such as CIDB, ECSA, PSIRA, and the like here

T2.2.28 CENTRAL SUPPLIER DATABASE (CSD) REPORT

INSERT HERE

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TENDER NO: 2021/123

**Appointment of two (2) Environmental Control Officers (ECOs) for the
Lower uMkhomazi Bulk Water Supply Scheme**

VOLUME 2 – Offer, Contract, Pricing, Scope of Work and Site Information

Issued by:

Umgeni Water
310 Burger Street
Pietermaritzburg

Tender Queries:

Contact Name: Zakhele Cele
Telephone: 033 341 1313

Name of Tenderer:

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C.1 AGREEMENTS AND CONTRACT DATA

IMPORTANT NOTE ON C1.1:

ALL Tenderers MUST complete and sign Form A: OFFER (the first page hereafter).

Form B: ACCEPTANCE will be signed by the Employer and then only in the case of the successful Tenderer.

Form C: SCHEDULE OF DEVIATIONS must be signed by the Employer as well as the successful Tenderer after award of the contract.

Form D: CONFIRMATION OF RECEIPT must be signed by the successful Tenderer on receipt of a fully completed original copy of the Agreement including the Schedule of Deviations, if any.

C1.1 FORM OF OFFER AND ACCEPTANCE

A. OFFER

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract for the procurement of **two (2) ECOs to undertake independent Environmental Compliance Monitoring, Auditing and Reporting for the construction and rehabilitation phases of the Lower uMkhomazi Bulk Water Supply Scheme.**

The Tenderer, identified in the Offer signature block, has examined the documents listed in the Tender Data and addenda thereto as listed in the Returnable Schedules, and by submitting this Offer has accepted the Conditions of Tender.

By the representative of the Tenderer, deemed to be duly authorized, signing this part of this Form of Offer and Acceptance the Tenderer offers to perform all of the obligations and liabilities of the Service Provider under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the Contract Data.

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VAT IS:

(in words)

.....

..... Rand;

(in figures) R.....

The Tenderer confirms that he has read the Standard Professional Services Contract referred to in C1.2 Contract Data.

This Offer may be accepted by the Employer by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document to the Tenderer before the end of the period of validity stated in the Tender Data, whereupon the Tenderer becomes the party named as the Contractor in the Conditions of Contract identified in the Contract Data.

Signature(s) *(of persons authorized to sign the acceptance)*

Name(s)

Capacity

For the Tenderer:

(Insert name and address of organization)

.....

Name & Signature of Witness

Date

B: ACCEPTANCE

By signing this part of the Form of Offer and Acceptance, the Employer identified below accepts the Tenderer's Offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the Conditions of Contract identified in the Contract Data. Acceptance of the Tenderer's Offer shall form an agreement between the Employer and the Tenderer upon the terms and conditions contained in this Agreement and in the Contract that is the subject of this Agreement.

The terms of the contract are contained in:

- C.1 Agreement, and Contract Data, (which include this Agreement)
- C.2 Pricing Data, including the Bill of Quantities
- C.3 Scope of Work
- C.4 Site Information

and the schedules, forms, drawings and documents or parts thereof, which may be incorporated by reference into Parts 1 to 4 above.

Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Tender Schedules as well as any changes to the terms of the Offer agreed by the Tenderer and the Employer during this process of offer and acceptance, are contained in the Schedule of Deviations attached to and forming part of this Agreement. No amendments to or deviations from said documents are valid unless contained in this Schedule, which must be duly signed by the authorized representatives of both parties.

The Tenderer shall within two weeks after receiving a completed copy of this Agreement, including the Schedule of Deviations (if any), contact the Employer's agent (whose details are given in the Contract Data) to arrange the delivery of any other bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the Conditions of Contract identified in the Contract Data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this Agreement.

Notwithstanding anything contained herein, this Agreement comes into effect on the date when the Tenderer receives one fully completed original copy of this document, including the Schedule of Deviations (if any). Unless the Tenderer (now Service Provider) within five days of the date of such receipt notifies the Employer in writing of any reason why he cannot accept the contents of this Agreement, this Agreement shall constitute a binding contract between the parties.

Signature: (of person authorized to sign the acceptance)

Name: (of signatory in capitals)

Capacity: (of Signatory)

Name of Employer: (organization) Umgeni Water

Address 310 Burger Street, Pietermaritzburg

Telephone number: 033 341 1111 **Fax number:**

AS WITNESS

Signature:..... **Name:** (in capitals)

Date:

C: SCHEDULE OF DEVIATIONS

The extent of deviations from the tender documents issued by Umgeni Water prior to the tender closing date is limited to those permitted in terms of the Tender Data and the Conditions of Tender.

A Tenderer's covering letter will not necessarily be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid become the subject of agreements reached during the process of offer and acceptance, the outcome of such agreement shall be recorded here.

Any other matters arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the Parties becomes an obligation of the contract shall also be recorded here.

Any change or addition to the tender documents arising from the above agreements and recorded here shall also be incorporated into the final draft of the Contract.

1. **Subject:**
Details:
.....
2. **Subject:**
Details:
.....
3. **Subject:**
Details:
.....
4. **Subject:**
Details:
.....
5. **Subject:**
Details:
.....
6. **Subject:**
Details:
.....
7. **Subject:**
Details:
.....

By the duly authorized representatives signing this Schedule of Deviations, Umgeni Water and the Tenderer agree to and accept the foregoing Schedule of Deviations as the only deviations from and amendments to the documents listed in the Tender Data and addenda thereto as listed in the Tender Schedules, as well as any confirmation, clarification or change to the terms of the offer agreed by the Tenderer and Umgeni Water during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the Tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this Agreement.

FOR THE TENDERER:

Signature:

Name:

Capacity:

Tenderer: *(Name and address of organization)*

Witness:

Signature:

Name:

Date:

FOR UMGENI WATER

Signature:

Name:

Capacity:

Witness:

Signature:

Name:

Date:

D: CONFIRMATION OF RECEIPT

The Tenderer, (now Service Provider), identified in the Offer part of this Agreement hereby confirms receipt from the Employer, identified in the Acceptance part of this Agreement, of one fully completed original copy of this Agreement, including the Schedule of Deviations on this

FOR THE CONTRACTOR:

Signature:

Name:

Capacity:

Signature and name of witness:

Signature:

Name:

C.1.2 CONTRACT DATA (INCLUDING SPECIAL CONDITIONS OF CONTRACT)

This services contract is based upon the Standard Professional Services Contract (July 2009) (third Edition of CIDB document 1014), published by the Construction Industry Development Board (see www.cidb.org.za).

Each item of data given below is cross-referenced to the clause in the Conditions of Contract to which it mainly applies.

Special Conditions of Contract

1. National Treasury Central Supplier Database

The successful Tenderer is required to provide proof of registration with the National Treasury Central Supplier Database (CSD) prior to the award of contract.

2. Application of Contract Price Adjustment Factor

Contract Price Adjustment will not be applicable

3. Progress Measurement and Payments

Progress measurement shall take place on or before, but not later than, the 20th of the month, but should the 20th be a 'non-working' day, it shall take place on the last working day prior to the 20th.

Statements, invoices and back-up documentation together with a Payment Certificate shall be submitted to the Employer on or before the 25th of the month for payment not later than the last day of the month following the month in which same were submitted.

PART 1: DATA PROVIDED BY THE EMPLOYER

Clause	Data
	The Employer is Umgeni Water
3.4 and 4.3.2	<p>The authorized and designated representative of the Employer is: Name: Constance Nko</p> <p>The address for receipt of communications is: Telephone: 033 341 1321 Facsimile: N/A E-mail: constance.nko@umgeni.co.za Address: 346 Burger Street, Pietermaritzburg, 3201</p>
1	The Project is Environmental Compliance Monitoring, Auditing and Reporting. The Environmental Control Officers will undertake independent environmental compliance auditing during the construction and rehabilitation phases of the Lower Umkhomazi Bulk Water Supply Scheme
1	The Period of Performance is 72 months from the Commencement Date.
3.5	The location for the performance of the Project is near Craigie Burn within the eThekweni Metropolitan Municipality in KZN.
3.9.2	The time based fees used to determine changes to the contract price are as stated in the Pricing Data
3.12	<p>The Maximum Penalty Amount (MPA) shall be 7.5 % of the Contract Price (CP)</p> <p>The Daily Penalty Amount (DPA) payable shall be: R500</p>
3.15	The programme shall be submitted within 14 Days of the Contract becoming effective.
3.16	Where the rate tendered is less than the gazetted rate, price adjustment shall be according to the formula as contained in the Standard Professional Services contract, July 2009 (3 rd Edition, CIDB document 1014)
4.3.1(d)	The Service Provider is will be required to assist in the obtaining of approvals, licenses and permits from the Provincial and National environmental authorities having jurisdiction over the project
5.4.1	<p>The Service Provider is required to provide the following insurances:</p> <p>1. Public Liability Insurance Minimum Cover is: R10 000 000 (Ten million rand) Period of cover: For the period of performance</p> <p>2. Professional Indemnity Insurance Minimum Cover is: R5 000 000 (Five million rand) Period of cover: For the period of performance</p> <p>Insurance requirements should be confirmed on award</p>

C1.9

7.2	The Service Provider is required to provide personnel in accordance with the provisions of Clause 7.2 and to complete the Personnel Schedule.
8.1	The Service Provider is to commence the performance of the Services within 14 Days of date that the Contract becomes effective.
8.4.3 (c)	The period of suspension under Clause 8.5 is not to exceed 6 weeks.
9.1	Copyright of documents prepared for the Project shall be vested with the Employer.
11.1	A Service Provider may subcontract any work for which he hasn't the skill and competency to perform.
12.1	Interim settlement of disputes is to be by adjudication.
12.2 / 12.3	Final settlement is by arbitration.
12.2.1	In the event that the parties fail to agree on an adjudicator, the adjudicator is nominated by the Association of Arbitrators (Southern Africa).
12.4.1	In the event that the parties fail to agree on an arbitrator, the arbitrator is nominated by Association of Arbitrators (Southern Africa).
13.1.3	All persons in a joint venture or consortium shall carry a minimum professional indemnity insurance of the value stipulated in clause 5.4.1 of the Contract Data
15	The interest rate will be prime interest rate of the Employer's bank at the time that the amount is due.
	The additional conditions of contract are:
1	Delete the word of "Start" from "Start Date" and replace with "Commencement" and substitute the words "Contract Data" with "Form of Offer and Acceptance".

PART 2: DATA PROVIDED BY THE SERVICE PROVIDER

Clause	Data																
1	<p>The Service Provider is.</p> <p>Name:</p> <p>Address:</p> <p>.....</p> <p>Telephone: Facsimile:</p>																
5.3	<p>The authorized and designated representative of the Service Provider is:</p> <p>Name:</p> <p>The address for receipt of communications is:</p> <p>Address:</p> <p>.....</p> <p>Telephone: Facsimile:</p>																
5.5 7.1.2	<p>The Key Persons and their jobs / functions in relation to the services are:</p> <table border="1"> <thead> <tr> <th>Name</th><th>Specific duties</th></tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	Name	Specific duties														
Name	Specific duties																

PART C2: PRICING DATA

C2.1 PRICING INSTRUCTIONS

PRICING TO BE DONE BY MEANS OF BILL OF QUANTITIES

C2.1 Bill of Quantities

- 2.1.1 Definition of unit rates** – the tenderer is required to review the scope of work defined within C3 and to determine all the resources (including plant, machinery, material labour and associated travelling costs) required resulting in the unit rates to achieve the work components within the scope.
- 2.1.2 Bill of Quantities** – the tenderer is required to fill in the Bill of Quantities and complete the pricing calculations set down in C2.2 Pricing Schedule, and carry forward the tender amount from the C2.2 Pricing Schedule to the Offer C1.1.
- 2.1.3 Payment** – the tenderer will be paid prorated amounts per quantity of each item delivered on a monthly basis.
- 2.1.4** The service providers shall provide prices (VAT exclusive) for **ALL** items listed in the table. **Failure to provide prices in any of the items listed will deem the tenderer to be non-responsive.**
- 2.1.5** Contingency amount of 20% forms part of the contract and is required to be priced. **Failure to do so will result in the tenderer being deemed as non-responsive.**

C2.1 PRICING SCHEDULE

1. Table 1: PHASE 1 – RAW WATER

Item No.	Resource Function	Unit	Quantity	Rate	Amount (excl VAT)
1. ENVIRONMENTAL AUTHORISATION AND PERMITS					
1.1	Authority notification & liaison	Sum	1		R
1.2	Develop Checklist to be used for auditing	Sum	1		R
2. PRE-CONSTRUCTION INSPECTION PHASE					
2.1	Site visit with the Engineer's Representative pre-construction, including written feed-back on observations	km	10		R
2.2	Site camp identification/selection, including written feed-back on observations	Sum	5		R
2.3	Pipe-yard /material storage area identification/selection, including written feed-back on observations	No.	5		R
2.4	Site camp establishment - assessment of the site plan and recommendations.	Sum	1		R
2.5	Pipe-yard establishment - assessment of the site plan and recommendations.	Sum	1		R
2.6	Borrow pits and spoil sites – initial site visit and assessment of relevant documentations	No.	3		R
2.7	Plant identification, marking, listing for rescue/removal and guidance for nursery establishment provided.	No.	5		R

C2.2

3. CONSTRUCTION PHASE					
3.1	Fortnightly site visits and liaison with Project Team	No.	176		R
3.2	Fortnightly Audit reports to Project Team.	No.	176		R
3.3	Meetings - Attend monthly progress and technical meetings.	No.	80		R
3.4	Monthly compliance report for submission to the Authority.	No.	80		R
3.5	Environmental Awareness/toolbox talks.	No.	160		R
3.6	Conduct compliance audits with the conditions of the water use licence (twice a year for the duration of the project)	No	14		R
3.7	Keep record of all activities on site, problems identified and transgressions	Sum	1		R
3.8	The ECO will review method statements prepared by the contractor and submit the approvals to the to Project team.	No.	25		R
3.9	Apply for required permits	No	10		R
3.10	Permits updated applied for (include biodiversity assessment requirement).	No.	5		R
4. PROJECT CLOSE-OUT PHASE					
4.1	End of Construction Closeout – Inspection, snag list and report prepared with recommendations. Follow up site visits undertaken.	No.	5		R
AMOUNT CARRIED OVER					R
AMOUNT BROUGHT FORWARD					R
4.2	Authority Closeout Report and Response (Construction site, pipe yard, workshop and Site Camp).	No.	1		R
4.3	Authority site visits (for permits and substantive amendments, etc.).	No.	8		R
4.4	Adhoc site visits, assessments and reports.	No.	15		R
4.5	Authority Compliance Audit.	No.	20		R
A. PHASE 1 – RAW WATER TOTAL CARRIED FORWARD TO SUMMARY					R

2. Table 2: PHASE 1 – RAW WATER: REHABILITATION MONITORING

Item No.	Resource Function	Unit	Quantity	Rate	Amount (excl VAT)
1.1	Monthly site visits	No.	12		R
1.2	Preparation and Submission of audit reports to Project Team.	No.	12		R
1.3	Monthly compliance report	No.	12		R
1.4	Monthly compliance report to UW and compliance report submitted to DEFF, EDTEA and DWS.	No.	12		R
1.5	Adhoc site visits, assessments and reports	No.	50		R
B. PHASE 1- RAW WATER : REHABILITATION MONITORING TOTAL CARRIED FORWARD TO SUMMARY					R

TABLE 3: PHASE 2 – POTABLE WATER

Item No.	Resource Function	Unit	Quantity	Rate	Amount (excl VAT)
1. ENVIRONMENTAL AUTHORISATION AND PERMITS					
1.1	Authority notification & liaison	Sum	1		R
1.2	Develop Checklist to be used for auditing	Sum	1		R
2. PRE-CONSTRUCTION INSPECTION PHASE					
2.1	Site visit with the Engineer's Representative pre-construction, including written feed-back on observations	km	10		R
2.2	Site camp identification/selection, including written feed-back on observations	Sum	5		R
2.3	Pipe-yard /material storage area identification/selection, including written feed-back on observations	No.	5		R
2.4	Site camp establishment - assessment of the site plan and recommendations.	Sum	1		R
2.5	Pipe-yard establishment - assessment of the site plan and recommendations.	Sum	1		R
2.6	Borrow pits and spoil sites – initial site visit and assessment of relevant documentations	No.	3		R
2.7	Plant identification, marking, listing for rescue/removal and guidance for nursery establishment provided.	No.	5		R

C2.4

3. CONSTRUCTION PHASE					
3.1	Fortnightly site visits and liaison with Project Manager and Engineer's Representative.	No.	176		R
3.2	Bi-weekly Audit reports to Project Manager and Project Team.	No.	176		R
3.3	Meetings - Attend monthly progress and technical meetings.	No.	80		R
3.4	Monthly compliance report to the Authority.	No.	80		R
3.5	Environmental Awareness/toolbox talks.	No.	200		R
3.6	Conduct compliance audits with the conditions of the water use licence (twice a year for the duration of the project)	No	14		R
3.7	Keep record of all activities on site, problems identified and transgressions	Sum	1		R
3.8	The ECO will review method statements prepared by the contractor and submit the approvals to the Project team and Umgeni Water Scientist	No.	25		R
3.9	Apply for required permits	No	10		R
3.10	Permits updated applied for (include biodiversity assessment requirement).	No.	5		R
3.11	Soil testing of land parcels before and after construction (number of tests).	No	5		R
AMOUNT CARRIED OVER					R
AMOUNT BROUGHT FORWARD					R
4. PROJECT CLOSE-OUT PHASE					
4.1	End of Construction Closeout – Inspection, snag list and report prepared with recommendations. Follow up site visits undertaken.	No	5		R
4.2	Authority Closeout Report and Response (Construction site, pipe yard, workshop and Site Camp).	Sum	1		R
4.3	Substantive amendments (to max of 2 km or 50km ²)	No	5		R
4.4	Adhoc site visits, assessments and reports.	No	10		R
	Authority site visits (for permits and substantive amendments, etc.)..	No	5		R
C. PHASE 2 – POTABLE WATER: TOTAL CARRIED FORWARD TO SUMMARY					R

TABLE 4 : PHASE 2 – POTABLE WATER: REHABILITATION MONITORING					
Item No.	Resource Function	Unit	Quantity	Rate	Amount (excl VAT)
1.1	Monthly site visits	No	12		R
1.2	Preparation and Submission of audit reports to Project Team.	No	12		R
1.3	Monthly compliance report	No	12		R
1.4	Monthly compliance report to UW and compliance report submitted to DEFF, EDTEA and DWS.	No	12		R
1.5	Adhoc site visits, assessments and reports	No	10		R
	D. PHASE 2 – POTABLE WATER: REHABILITATION MONITORING TOTAL CARRIED FORWARD TO SUMMARY				

*Note: The costs must consider use of a 4x4 vehicle where required.

SUMMARY

1.Sub Total A – PHASE 1 – RAW WATER	R
2.Sub Total B – PHASE 1 – RAW WATER: REHABILITATION MONITORING	R
3.Sub Total C – PHASE 2 – POTABLE WATER	R
4.Sub Total D – PHASE 2 – POTABLE WATER: REHABILITATION MONITORING	R
A - Total for all Items excluding VAT (Items 1 to 4)	R
B – Contingency @ 20% of A <i>(To be used at the Project Managers discretion)</i>	R
C – Subtotal (A + B)	R
D - VAT @ 15% of C	R
Total including VAT (C+D) <i>carried forward to C1.1 (Offer).</i>	R

PART C3: SCOPE OF WORK

1. Employer's objectives

To procure the services of Environmental Control Officer to undertake environmental compliance auditing during the construction phase of the Lower Umkhomazi Bulk Water Supply Scheme Project.

2. Description of the services

As a requirement of the NEMA, the Environmental Control Officers will undertake independent environmental compliance monitoring during the construction and rehabilitation phases of the Lower Umkhomazi Bulk Water Supply Scheme.

3. Extent of the services

As per the environmental authorisations, the environmental control officers will undertake routine, independent compliance monitoring, auditing and reporting for the full duration of the construction and rehabilitation phases of the project, with regular submission of the environmental compliance reports to the authority. The environmental control officers will also form part of the professional team to undertake environmental awareness as well as provide sound environmental management advice with the view of reducing environmental impacts that may arise from changes in construction methodology.

4. Use of reasonable skill and care

The Environmental Control Officer must be able to conduct environmental audits, monitor compliance with reference to the conditions of the Environmental Authorisation, Environmental Management Plan Rehab plan, permits and licences. The ECO must hold an educational qualification within the relevant sector and and be registered with the relevant Registrational Body

5. Co-operation with other services providers

The ECO will be required to sign in at the construction site, align with the SHE requirements of the site and discuss non-conformance issues with the Engineer's Representative. In addition the ECO will be required observe the Covid -19 protocols

6. Brief

Umgeni Water's future bulk water supply plans have been assessed and intervention plans developed to meet the expected increase in water demand throughout the South Coast System. Umgeni Water investigated the water resource options in the lower reaches of the uMkhomazi River in order to support growing water demands in the Upper and Middle South Coast regions. To this end, the Lower Mkhomazi Bulk Water Supply Scheme (BWSS) was considered as a suitable and viable option. This scheme will include:

Lower Mkhomazi Bulk Water Supply Scheme: Nggwadini dam - Phase 1

The Nggwadini Weir and abstraction works to fill the Nggwadini OCS Dam during summer periods of excess flow;

- The Nggwadini OCS Dam, with a capacity of 10 million m³, and outlet infrastructure to release water back into the river and augment low flow periods;
- A second abstraction downstream at the Goodenough Weir site to abstract the raw water for delivery to the WTP;
- A pump station to pump water from the Goodenough abstraction to the WTP via; a short rising main and 7km gravity pipeline.
- A break pressure tank that also serves as a raw water storage reservoir;
- Hydrocyclones before the pump station and WTP to remove sediments during periods of higher turbidity river flows and reduce the WTP residual ("sludge");
- 1200DN pipeline that gravity feeds raw water into the treatment plant

Lower Mkhomazi Bulk Water Supply Scheme: WTW - Phase 2

- A 100 Ml/d WTP (Wtw Site 2) in the town of Craigieburn; and
- Three chambers with the sizes from 12.2 x 6.1m to 12.2 x 7.8m structures
- A 3km potable gravity water pipeline from the WTP to Quarry Reservoir, the potable water delivery and tie-in point on the South Coast Pipeline.
- 20ML RC Reservoir.

In compliance with NEMA, an independent Environmental Control Officer (ECO) is required to monitor the construction and rehabilitation phases of the projects mentioned above. The independent ECO will be responsible for monitoring all activities at the development sites that could have an impact on the environment. The ECO will ensure that the contractors comply with the requirements of the conditions of the environmental authorisations, amendments to the environmental authorisations as well as the requirements outlined in the Environmental Management Plans (EMPs)/Rehabilitation Plans.

When pricing the PSP should take into consideration that the contractors for both phases will commence at phases and various times. For Phase 1- Raw Water component, two (2) contractors are anticipated to commence in February 2022 and three (3) other contractors will commence in June 2022. For Phase 2- Potable Water component, four (4) contractors are expected to be site from April 2022, these contractors will come in different times/ months in the year 2022. It should also be noted that approximately thirty (30) contractors for both phases will participate in the construction of Lower uMkomazi Bulk Water system supply who will come in phases until the project is completed. The nine (9) aforementioned contractors will start construction in 2022.

The work components to be undertaken must be in accordance with Appendix 7 of the EIA Regulations, 2014 and will extend to:

- 1) Umgeni Water will present the ECO with the environmental authorisation, EMPr and WUL and all other permits obtained. The ECO shall familiarise with the requirements presented in these documents and develop a checklist to be used for auditing.
- 2) Notify the competent authority of the intention to commence the project and after completion of the construction process.
- 3) Conduct a pre-construction inspection of the entire Lower Umkhomazi Bulk Water system project prior to site establishment and site clearance to:
 - Identify any red data species for rescue and advise on a suitable location for transplanting, if deemed required. In addition, the ECO shall keep a record of the condition of the site prior to construction commencing.
 - Ensure that all protected plants are tagged, and are not cut or damaged in any way.
 - Conduct all required permit/license application for the disturbance and removal of trees.
 - Assist the contractor in identifying a suitable area that can be used as the camp sites and spoil areas.
- 4) Conduct environmental awareness sessions, in close liaison with Umgeni Water Environmental Site Officer for the contractor, highlighting environmental requirements and compliance measures.
- 5) Provide guidance/advice that ensures implementation of appropriate environmental management measures and adherence with environmental legislation/regulations.
- 6) For each contract undertake fortnight audits for the entire duration of the construction and rehabilitation process.
- 7) Prepare monthly environmental audit reports for submission to the Department of Forestry, Fisheries and Environment (DFFE). The ECO shall make provision for a 5 (five) day review period of the audit report by UW Environmental Scientist prior to submission to DFFE.
- 8) Conduct compliance audits with the conditions of the water use licence.
- 9) Prepare monthly compliance reports for submission to the Department of Water and Sanitation (DWS).
- 10) Conduct compliance audits with environmental authorities, as required.
- 11) Keep record of all activities on site, problems identified and transgressions. In conjunction with UW ESO, the ECO must ensure records are kept related to compliance and non-compliance with the environmental authorization and approved EMPr.
- 12) The ECO will be required to be present during the construction through sensitive areas such as watercourses and wetlands.
- 13) Ensuring that Incidents are investigated and reported accordingly.
- 14) The ECO would be required to

C3.4

- 15) request (in writing) method statements to be compiled by the contractor in cases where the EMPr may not have adequately addressed the issue. The method statement must be approved by the ECO prior to carrying out the activity.
- 16) The ECO will monitor the implementation of the method statement.
- 17) Advise on rehabilitation measures to be implemented, especially for rehabilitation of the environmental sensitive areas which shall include watercourses and wetlands. The ECO is then to monitor the work carried out by the specialist rehabilitation sub-contractor (to be appointed by the Contractor) and report to the Umgeni Water environmental scientist.
- 18) Where property to be rehabilitated is privately owned, consultation with each land-parcel owner regarding their requirements for rehabilitation must be carried out in close liaison with Umgeni Water's ISD personnel.
- 19) After completion of construction the ECO must prepare a snag list and a site close out report which will include recommendations for the rehabilitation measures.
- 20) The ECO will be required to prepare the final snag list after rehabilitation process has been completed and the report highlighting the outstanding areas.
- 21) The ECO will be required to prepare the report to be submitted to DEFF, EDTEA, DWS and DMR within 30 days of completion of construction. The ECO shall make provision for a 3 day review period of the report by Umgeni Water environmental scientist prior to submission to the environmental authorities.
- 22) Liaising with the Project Manager, Engineer's Representative and the Competent Authority throughout the construction and rehabilitation phases of the project.
- 23) Assisting the Site Engineer and Principal Contractor in ensuring all the necessary environmental authorisations, EMPs, Rehabilitation Plans and permits have been obtained and confirming that the activities on-site comply with environmental legislation.
- 24) Preparing and providing an environmental induction programme to every person involved in the project, including construction workers, on each construction site, prior to commencement of any construction activities.
- 25) Attending monthly progress site meetings where further environmental guidance will be provided to the project team. The ECO will form part of the professional team and should perform an active role for sound environmental management during the construction and rehabilitation phases of the project.
- 26) Ensuring that remedial action is implemented appropriately in the event of non-compliance.
- 27) The ECO must on quarterly basis, monitor and inspect that no waste water from the construction goes directly into any municipal sewers and/or adjacent properties including site streams.

The major activities to be carried out within each work component, deliverables to be provided within each work component

Work Component	Major Activities	Deliverables
Permits/licences	Apply for applicable permits and licenses for protected trees and sensitive areas. Apply for permits that have expired.	Approved Permits/Licences
Auditing	Conduct environmental audits on monthly basis	Compliance Audit reports to the Authority, DEA, UW and project team. Waybills showing proof of reports sent to the Authority
Analysis/Assessments	Take soil samples before and after construction. Adhoc Assessments undertaken	Report of results of Soil sample analysis assessed with recommendations. Report on adhoc assessments with recommendations.
Awareness	Conduct environmental awareness	Toolbox talk awareness registers, other environmental awareness registers.
Methods statements	Request and review method statements prepared by contractor or project team.	Proof of methods statements reviewed and consent letters.
Project Management/mentorship of CPG partner	Mentorship Plan. Monthly Meetings	All deliverables from CPG partner reviewed with track changes for quality management.

Payment Clauses:

PC 1. Authority notification & liaison: This will cover all activities concerning the initial notification and liaison with the Authority relating to Compliance and would include but will not be limited to, notifying the Authority of ECO and Contractor contact information, Authority site information, changes and updates to the EMPS, changes and updates to the rehabilitation plan.

PC 2. Weekly audit reports to the Project Manager and Project Team: This will be in the form of a checklist covering impacts, proposed mitigation and photographic evidence. All findings must be reported to the contractor whilst referencing the "PI" numbers in the Long Section maps provided by the Engineer. Recommendations should be practical and unless the recommendation had been suggested by the contractor, the ECO will attempt to seek buy in from the contractor to ensure successful implementation of these recommendations. The main tenderer will provide weekly checklists to the Project Manager and Project Team within 24 hours of the site audit, for effective use and to enable timeous implementation of remedial measures. All inspection reports prepared by the CPG partner, however, will be peer reviewed by the main tenderer and must be sent to the project team no later than 48 hours after the site inspection.

PC 3. Monthly compliance report: This will be a comprehensive environmental compliance report to the Department's Compliance Monitoring and Enforcement Component of the Authority, as required by the Environmental Authorisation, and will cover documentation review as well as the weekly site audits with impacts (with reference made to the "PI" numbers in the Long Section maps provided by the Engineer), recommendations and photographic evidence. Such an audit would also address aspects such as the recommendation of the issuing of penalties to the Contractor for repeated or serious contraventions e.g. hazardous chemical/oil spills, dumping of foreign material into sensitive environmental areas such as wetlands and grasslands, destruction of or damage to protected vegetation, damage to cultural sites, breach of the 20m construction working area, etc. The audit report will contain mitigation measures for each non-compliance issue raised; it would detail the time frames supplied for the rectification of such non-compliance issues; cover visual evidence of the site inspection in the form of photographs. All reports prepared by the CPG partner will be peer reviewed by the main tenderer to ensure adequate quality control of the compliance reports. An electronic version of the report should be sent to the Project Manager for review before being sent to the Authority. A hard copy of the report will be sent to the Authority and the ECO will be required to send a copy of the waybill to the Project Manager as proof.

PC 4. Environmental awareness: The ECO will provide environmental induction/awareness training to all staff at the construction sites, during the inception of the construction phase as well as during the entire construction phase of the projects. This will extend to all activities associated with ensuring that adequate environmental awareness is created amongst the project team for effective prevention and minimization of environmental impacts. Environmental Awareness may be undertaken at least quarterly during toolbox talks. The ECO will ensure that all new staff on the construction site is adequately inducted on environmental matters. An attendance register will be signed and submitted as proof of training/awareness provided.

PC 5. Permits applied for: The ECO may be required to apply for permits relevant to the project. This will extend to applications such as, permits to the Department of Agriculture, Forestry and Fisheries (DAFF) to fell or prune protected trees; permits from Ezemvelo KwaZulu-Natal (EKZN) Wildlife to relocate protected plants; notification to Amafa/Heritage KwaZulu

Natali (Amafa) for grave removal and relocation. The ECO will not be required to apply for a Water Use License.

PC 6. Authority compliance audit: This will extend to all tasks and activities associated with this item, extending to pre-audit preparation, obtaining agreement of suitable dates for the audit; authority/stakeholder liaison; ensuring representation at the audit; active participation during the audit; post audit liaison and feed back to project team; address findings with the project team and provide a response to the Authority. The ECO will be required to facilitate successful closeout of the compliance audit.

PC 7. Review of method statements: The ECO will be required to review method statements prepared by the contractor. These will include but not be limited to, river crossing method statements; trenching and topsoil separation for all construction activities; onsite stormwater management; sanitation and sewage/waste disposal options; borrow pit/spoil site management; disinfection of pipeline (pre-operations); etc. The ECO will be required to review each method statement providing suggestions where appropriate. Written approval letters for each method statement will be submitted to the Project Manager and Project team.

PC 8 Site camp and pipe yard establishment: The ECO will be required to review the layout plans and suggest remedial measures to reduce environmental impacts that may arise from the establishment of the site camps and pipe yards as well as associated activities. For site camps the ECO will, *inter alia*, check the plan for appropriate sanitation options, waste storage and disposal, grey water disposal options, vehicle wash bay areas, fuel storage and bunding, etc. and make suggestions for options that would have minimal impacts on the environment. For pipe yards, in addition to other environmental impacts, the ECO will advise on topsoil management, re-instatement and rehabilitation of the affected area to minimise compaction and conserve topsoil integrity. Reports will be submitted to the Project Manager and Project Team.

PC 9 Substantive route amendments: This will include all activities related to route amendments such as site inspection, assessment, preparation of amendment forms, specialist studies (public participation, heritage study as well as biodiversity/ecological assessment), advertising of the environmental authorisation within the required timeframe, appeals managed, authority/client and stakeholder liaison undertaken, EMPs/Rehabilitation Plans updated and approved.

PC 10 Meetings: Attend fortnightly progress and technical meetings. The ECO will be required to attend progress and technical meetings, forming part of the professional team to provide sound environmental management advice in order to reduce environmental impacts that may arise from technical changes in construction methodology, in alignment with environmental legislation. The attendance register must be signed and submitted as proof.

Minimum Qualifications and Certificates:

The independent Environmental Control Office will be required to have:

- A Bachelor's Degree/Diploma in Social Science/ Natural Sciences/ Environmental Sciences/ Environmental Engineering or Agricultural Engineering, BA Environmental Management, or equivalent Environmental Management Studies.

Further skills that will be advantageous:

The successful ECO will have the following competencies

- Proven experience in auditing of construction projects. a minimum of 3 years working experience as an ECO on construction project of a similar nature
- Working knowledge in ecology/ biodiversity, with the ability to identify vegetation species
- Knowledge of alien vegetation control requirements.
- Knowledge of Wetland protection, management and reinstatement requirements.
- Good communication skills both verbal and written.
- Experience with liaison with Authority (DEA/DEAT/DWS/DMR)

Condition of appointment of ECOs:

- Note only the designated ECOs will be allowed to undertake the Environmental Compliance Audits.
- Should there be any changes with staff, the service provider will need written permission from the Umgeni Water Scientist to approve the staff changes.

List of Acronyms:

ECO: Environmental Control Officer

ESO: Environmental Site Office

EMP: Environmental Management Plan

NEMA: National Environmental Management Act

DAFF: Department of Agriculture, Forestry and Fisheries

EKZN Wildlife: Ezemvelo KwaZulu-Natal Wildlife

AMAFA: Amafa/Heritage AkwaZulu Natali

DAEA: Department of Agriculture and Environmental Affairs

7. Reference data

Environmental Authorisations, Amendments to Environmental Authorisations, Approved EMPs, Approved Rehabilitation Plans, permits, licences. These documents as well as other related documentation will be provided to the winning tenderer

8. Applicable national and international standards

ISO14001 and ISO 9001.

9. Particular/Generic specifications

N/A.

10. Approvals

Environmental Authority for route amendments. DAFF and EKZN Wildlife for permits. Amafa Approvals

11. Procurement

N/A

12. Access to land / buildings / sites

The ECO will be required to sign in/out of the construction site and align with all the SHE requirements of the site.

13. Planning and programming

Construction of Lower uMkhomazi Bulk Water Supply Scheme ECO's programme needs to be in line with the entire project construction programme when available.

14. Software application for programming

N/A

15. Quality management

- The main tenderer will ensure that all reports are peer reviewed before being sent to the Project Manager and the Authority. This will include peer review of all reports prepared by the CPG partner.
- Should an ECO be required to be replaced, the new ECO will be required to have the qualification and experience as required in this tender. This will need the approval of the UW Scientist.

16. Format of communications

- Telephonic and email communication.
- Biweekly Checklists to the contractor and Scientist
- Hard copies of compliance reports must be sent to the Authority and Waybills submitted to the Project Manager.

17. Key personnel

- Environmental Control Officer 1 for Phase 1
- Environmental Control Officer 2 for Phase 2

18. Management meetings

The ECOs will be required to attend monthly progress meetings and as well as technical meetings

19. Forms for contract administration

N/A

20. Electronic payments

N/A

21. Daily records

The tenderer and the CPG partner will be required to keep daily records as supporting documentation to the invoice and items claimed

22. Professional indemnity insurances

Refer to C.1.2 Contract Data Clause 5.4.1 and state number of copies and the place where policies are to be presented

23. Payment certificates

All invoices must be submitted to the Project Manager by the 25th of each month, along with the supporting documentation. Proof of previous payment to CPG partner and Subconsultants will also be required to be submitted. An Excel Spreadsheet with a reconciliation must also be submitted with the invoice.

24. Use of documents by the Employer

All information gathered during the audit and audit reports will remain the property of Umgeni Water.

25. Property provided for the Service provider's use

N/A

26. Proof of compliance with the law

State specific documents / methods by which compliance with any legislation is to be verified, as necessary.

PART C4: SITE INFORMATION

Umgeni Water's future bulk water supply plans have been assessed and intervention plans developed to meet the expected increase in water demand throughout the South Coast System. Umgeni Water investigated the water resource options in the lower reaches of the uMkhomazi River in order to support growing water demands in the Upper and Middle South Coast regions. To this end, the Lower Mkhomazi Bulk Water Supply Scheme (BWSS) was considered as a suitable and viable option.

The proposed scheme will supply water to the Middle and Upper South Coast areas (Hibberdene to Amanzimtoti) within Kwazulu-Natal (KZN). The project area is situated in the eThekweni Metropolitan Municipality in KZN. The proposed developments are located approximately 10km north of Scottburgh. The Goodenough Weir and Abstraction Works, and Goodenough High Lift Pump Station are located on the uMkhomazi River. From the abstraction works and pump station, the rising main to hydrocyclones runs towards the High Lift Pump Station. A rising main then runs from the High Lift Pump Station to the Raw Water Goodenough Reservoir. The gravity main runs from the Goodenough Reservoir to the WTP site. The WTP, the gravity mains, and the Quarry Reservoir are located within the town of Craigieburn. The towns Roseneath, Naidooville and Magabeni are located near the proposed developments. The LUBWSS pipeline routes traverse both Ingonyama Trust land and private land.

To date, all the environmental authorisations have been received. This includes:

- The EA through an EIA study for the water treatment works and associated bulk water supply infrastructure with reference number 14/12/16/3/3/2/1030;
- The EA through a basic assessment study for the Ngwadini weir, abstraction works and pipeline with reference number 14/12/16/3/3/1/1884; and
- The amendment authorisation for the Off-Channel Storage (OCS) Dam at Ngwadini with reference number DC21/AMEND/6211/2017.

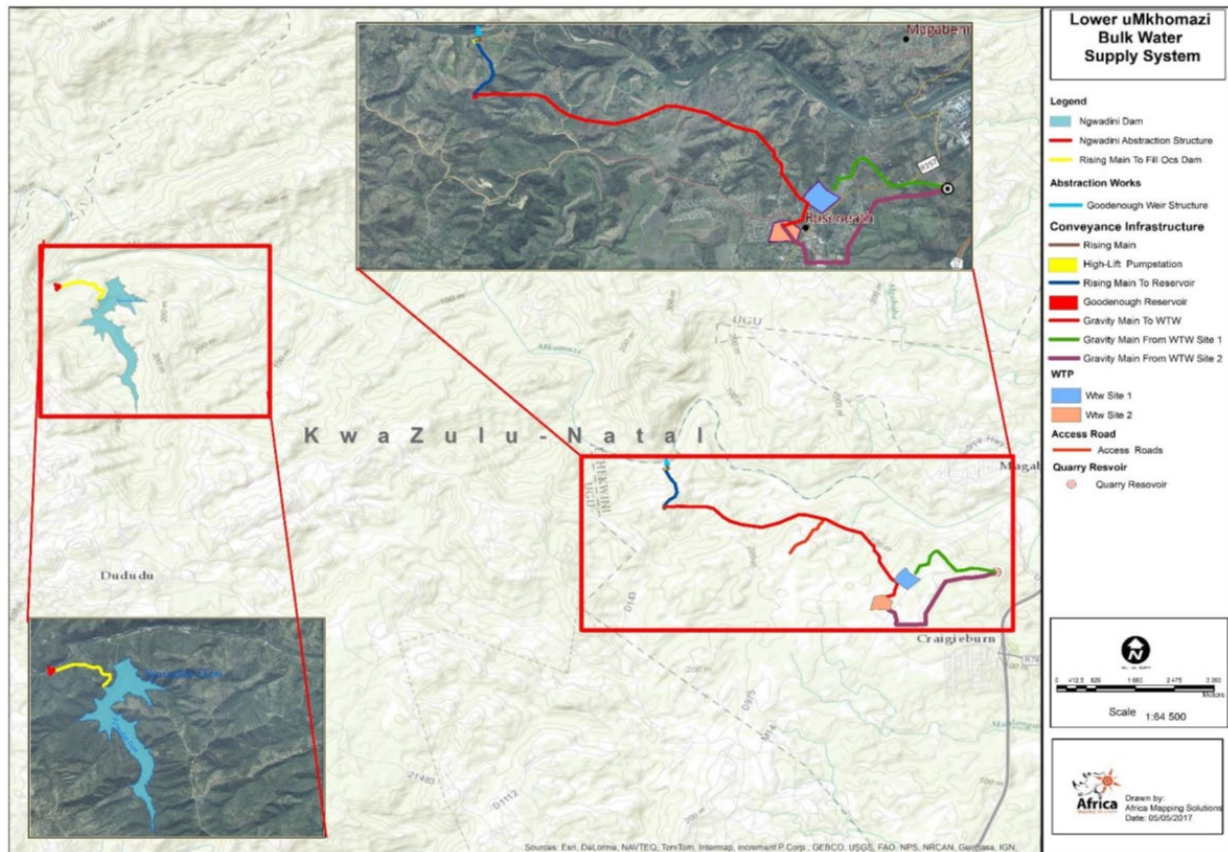


Figure 1: Lower uMkhomazi Bulk Water Supply Scheme Layout

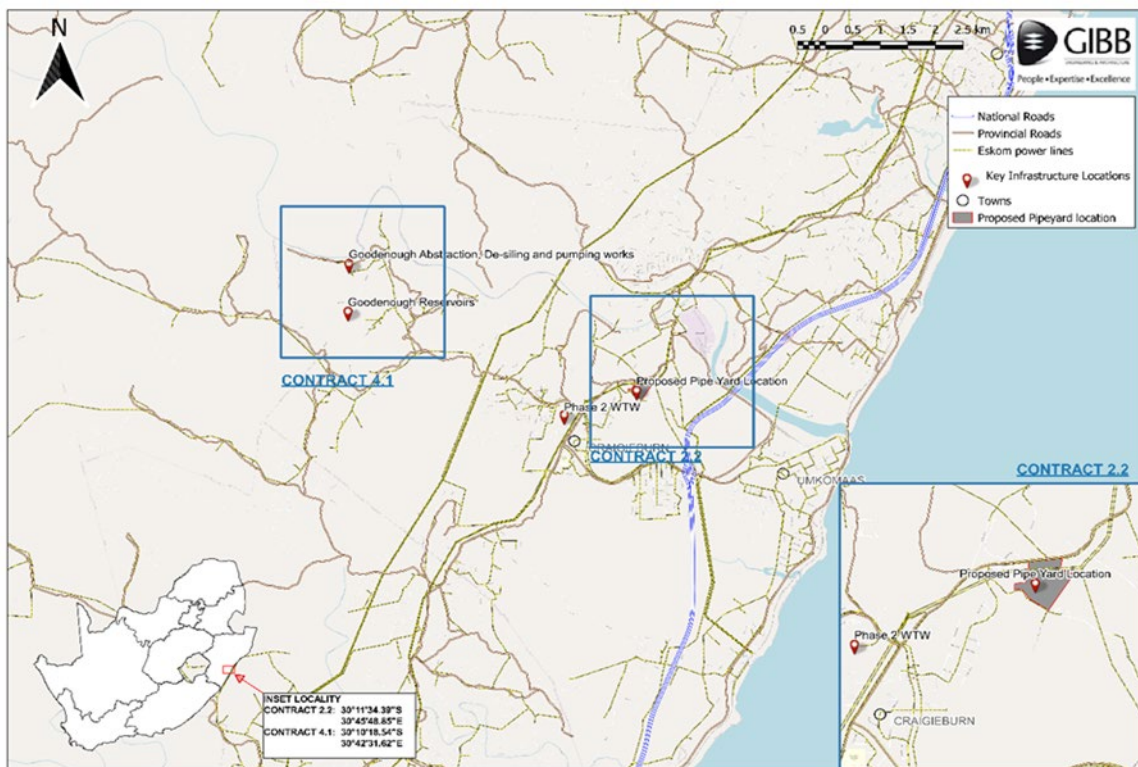


Figure 2: Map illustrating Lower uMkhomazi Bulk Water Supply Scheme Phase1

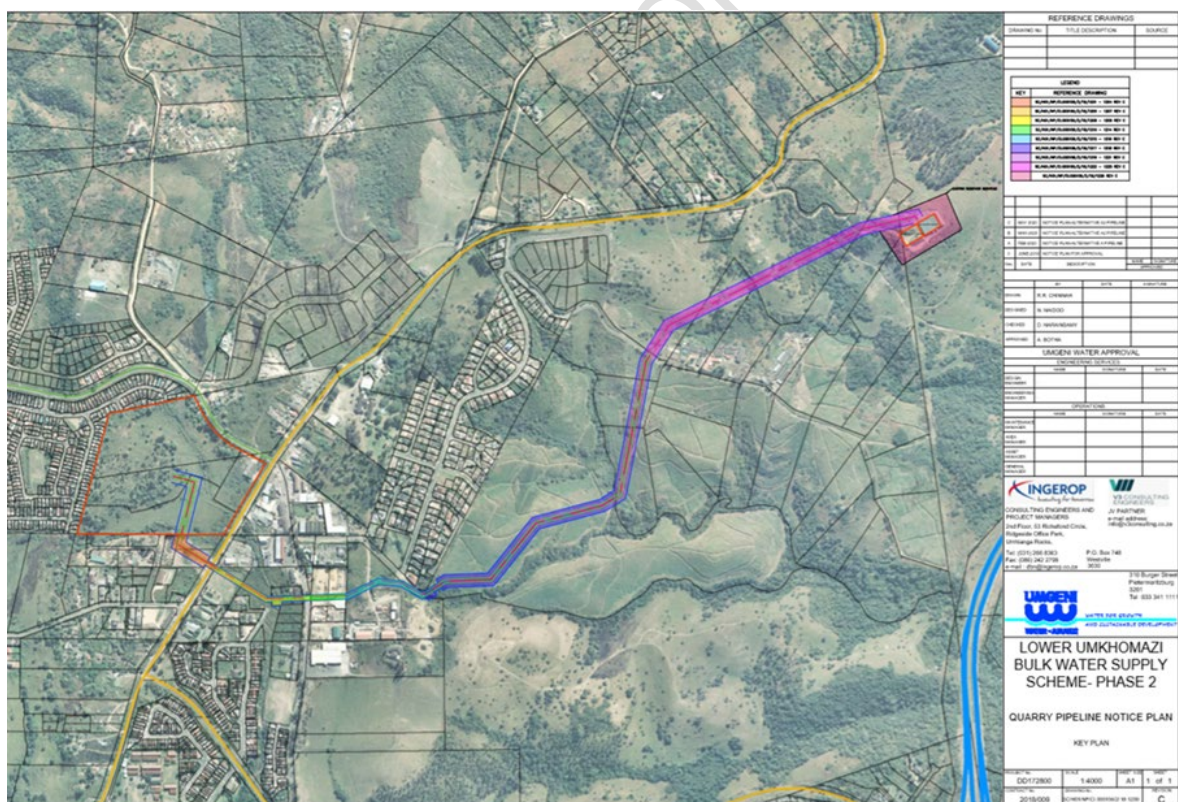


Figure 3: Map illustrating Lower uMkhomazi Bulk Water Supply Scheme Phase2

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